

GRAIN DEALERS JOURNAL

Published on the 10th and 25th of each month by the Grain Dealers Company.

Vol. IV. No. 8.

CHICAGO, ILL., APRIL 25, 1900.

FIVE CENTS PER COPY.
ONE DOLLAR PER YEAR.

REGULAR GRAIN SHIPPERS.

To merit the patronage of regular shippers, receivers should confine their business to regular dealers.

E. R. ULRICH & SONS,
Shippers of Choicest
Milling **WHITE and YELLOW CORN,**
Also **MIXED and WHITE OATS.**
Main Office, **SPRINGFIELD, ILL.**
Elevators in Central Illinois on Wabash, C. & A.,
C. P. & St. L., and St. L., C. St. P. & Pawnee R'ys.

EDWIN BEGGS,
ASHLAND, ILL.
Grain Shipper.
Elevators on C. & A. and B. & O. S. W.

KENTLAND, IND.
MCCRAY & MORRISON,
SHIPPERS **CORN, CLIPPED AND**
.....OF **NATURAL OATS**
Our Special Brand of White Oats
is a favorite wherever tried.
Grain Warehouses at Kentland, Beaver City, Earl
Park, Morocco, Remington, Ind., and Effner, Ill.

The Greenleaf-Baker
Grain Company, ATCHISON,
KAN.
GRAIN BUYERS AND SHIPPERS.

W. H. SMALL & Co.
RECEIVERS AND SHIPPERS
GRAIN, SEEDS AND HAY,
Office, 7 and 9 Upper 1st Street,
EVANSVILLE, IND.
Warehouses, Belt R.R., cor. Penna. & Bellevue Sts.

C. A. FOSTER,
RECEIVER AND SHIPPER
ANY RAILROAD.
FEED, GRAIN & HAY,
PITTSBURG, PA.
P. O. Address, CARNEGIE, PA.
Reference: Freehold Bank, Pittsburg, Pa.

REGULAR GRAIN RECEIVERS.

DANIEL P. BYRNE & CO
SUCCESSORS TO
Redmond Cleary Com. Co.
Established 1854. Incorporated 1887.
Grain, Hay and Seeds,
Chamber of Commerce, ST. LOUIS, MO.

CORRESPONDENCE INVITED CONSIGNMENTS SOLICITED
THOMAS E. HAYMAN
COMMISSION
Grain and Mill Feed.
West 33d St. and 11th Ave., NEW YORK, N. Y.

L. Bartlett. B. G. Ellsworth
O. Z. Bartlett. J. L. Dolan
L. BARTLETT & SON,
Grain Commission Merchants,
Rooms 23 & 24, Chamber of Commerce Bldg.
Branch Houses:
CHICAGO, MINNEAPOLIS. MILWAUKEE.

E. A. Grubbs Grain Co. J. S. Hazelrigg.
519 BROADWAY, GREENVILLE, OHIO. E. A. Grubbs.
MEMBERS: SPECIALTIES:
Penn. State Millers' Ass'n. MILLING WHEAT
Grain Dealers' Nat'l Ass'n. AND
Ohio Grain Dealers' Ass'n. YELLOW CORN
GRAIN IN CAR LOTS, ANY ROUTE.
REFERENCE, by permission: Farmers' Nat'l
Bank, Second Nat'l Bank, Commercial Agencies.

EDWARD P. MERRILL,
Grain Broker,
PORTLAND, ME.

DANIEL McCAFFREY'S SONS,
Receivers and Shippers of
Hay, Grain, Mill Feed,
716-718 Fifth Ave.
Established 1867.
Reference: Duquesne Nat. Bank. Pittsburg, Pa.

GRAIN... Make advances
on bills lading.
The Van Dusen-Harrington Co.
COMMISSION,
MINNEAPOLIS and DULUTH.
Sell by sample and make prompt returns.

McHugh, Christensen & Co.
GRAIN
Commission Merchants,
MINNEAPOLIS....AND....DULUTH.
Sell by Sample and Make Prompt Returns.
Advances Made on Bills of Lading.

CONRAD KIPP. S. K. NEER. J. H. ROYER.
GREENVILLE
GRAIN CO.
GREENVILLE, O.
GRAIN AND HAY
ON ANY RAILROAD.

**Conveying, Elevating and
Power Transmitting Machinery.**

Send for OUR NEW CATALOG...380 Pages.



A COMPLETE Line of the BEST.
H. W. CALDWELL & SON CO.
Western Ave., 17th-18th Sts.
CHICAGO, ILL.

DIRECTORY OF REGULAR GRAIN RECEIVERS AND DEALERS.

Dealers and Receivers who confine their business to regular grain shippers merit the patronage of such shippers.

BALTIMORE.

C. P. Blackburn & Co., 415 Water St.,
Receivers and Buyers.
Botts & Levering, Grain Commission.
Thos. Leishear & Co., Grain Receivers.

BUFFALO.

W. B. Gallagher, Damaged Grain.

CHICAGO.

Armour & Co., Grain Buyers.
Calumet Grain & Elevator Co., com-
mission merchants.
Dreiske & Hinners. Commission.
L. Everingham & Co., grain, seeds.
H. Hemmelgarn & Co., Commission.
W. F. Johnson & Co., grain, seeds.
W. H. Merritt & Co. Grain, seeds.
Rosenbaum Bros., receivers, shippers.
James P. Smith & Co., Grain.
The Glucose Sugar Refining Co. Buy-
ers of corn.
Ware & Leland, grain, seeds.

CINCINNATI.

Collins & Co., Exclusively Commission,
Grain and Hay.
Union Grain & Hay Co., grain, hay.

CLEVELAND.

Strauss & Joseph. Hay, grain, seeds.

EVANSVILLE.

W. H. Small & Co., grain, seeds.

GREENVILLE, OHIO.

Greenville Grain Co., track buyers.
E. A. Grubbs Grain Co., grain buyers.

INDIANAPOLIS.

Bassett & Co., commission.

KANSAS CITY.

Root & Smith, grain commission.

MILWAUKEE.

L. Bartlett & Son, commission.

MINNEAPOLIS.

McHugh, Christensen & Co., comisn.
Van Duzen-Harrington Co., comisn.

NEW ORLEANS.

Jno. T. Brodnax, Commisison.

NEW YORK.

Chas. B. Morris & Co., grain, hay.
Geo. N. Reinhardt & Co., hay, grain.

PEORIA, ILL.

C. H. Feltman, grain commission.
P. B. & C. C. Miles, grain commission.
Warren & Co., grain.

PHILADELPHIA.

L. G. Graff & Son, grain.
Milton Shive, brokerage, commission.

PITTSBURG.

C. A. Foster, receiver and shipper.
Daniel McCaffrey's Sons, grain, hay.
R. S. McCague, grain, hay.
D. C. Stewart, grain, hay.

PORTLAND, ME.

Edward P. Merrill, grain broker.

RICHMOND, VA.

The Richmond City Mills Co. Receiv-
ers and shippers of hay, grain, etc.

ST. LOUIS, MO.

Daniel P. Byrne & Co., grain, hay, seeds.
Connor Bros. & Co., Grain Com'sn.
Picker & Beardsley, grain, hay, seeds.

TOLEDO.

J. J. Coon, grain and seeds.
East Side Milling Co., Salvage Grain
C. A. King & Co., grain, clover seed.
National Milling Co., buyers of wheat.
Paddock, Hodge Co., grain.
W. A. Rundell & Co., grain, seeds.
Southworth & Co., grain, seeds.
J. F. Zahm & Co., grain, seeds.

REGULAR GRAIN RECEIVERS OF TOLEDO.

E. L. Southworth. **SOUTHWORTH & CO.**
G. B. McCabe.
W. H. Bergin. **TOLEDO, OHIO.**

Grain and Seeds.

Track bids offered to all regular dealers. We ex-
clude "Scoop Shovelers."

Consignments Solicited.

J. F. ZAHM. F. W. JAEGER FRED MAYER.
Established 1879

J. F. ZAHM & CO.,
GRAIN and SEEDS. TOLEDO, O.

We make a
Specialty of
Handling Consignments.

Transient buyers and farmers need not write us.

BE FRIENDLY. WRITE OCCASIONALLY.
Established 1846.

C. A. KING & CO.
TOLEDO, OHIO.

Grain and Clover Seed, spot and futures.
Special Market and Crop Reports Free.

F. W. Rundell. Established 1877. J. E. Rundell.

W. A. RUNDELL & CO.
Grain and Seed Merchants.

We buy, delivered Toledo or f. o. b. your station.
Personal attention to consignments and trades
in "futures." Daily market letter free.
Correspondence solicited.

Room 33, Produce Exchange, Toledo, Ohio.

Remember the name....

GRAIN DEALERS
JOURNAL

Advertise
....in it

Subscribe for it

The Paddock Hodge Co
...GRAIN...

29 & 30 PRODUCE EXCHANGE, - TOLEDO, O

Fred O. Paddock, Pres.
Arthur L. Mills, Vice Pres.
James Hodge, Secy & Treas.

DIRECTORY OF REGULAR GRAIN SHIPPERS.

To merit the patronage of regular shippers, receivers and track buyers should confine their business to regular dealers.

ILLINOIS.

Decatur: Shellabarger Mill & Elevator
Co.
Maroa: Crocker Elevator Co. Ele-
vators on I. C. R. R.
Monticello: Knight & Son. Elevators
on I. C. and Wabash.
Taylorville: Pratt-Baxter Grain Co.
Stations on Wabash.
Springfield: E. R. Ulrich & Sons. El-
evators on Wabash, C. & A., C. P. & St.
L. and St. L. C. St. P. & Pawnee Rys.
INDIANA.
Bluffton: Studabaker, Sale & Co. Ft.
W. C. & L.
Kentland: McCray & Morrison, P. C.
C. & St. L.

IOWA.

Coburg: G. A. Stibbens. C. B. & Q.
Des Moines: Des Moines Elevator Co.
Elevators on C. R. I. & P. R. R.
Des Moines: B. A. Lockwood Grain
Co. C. & G. W. Ry.
Hamburg: D. Hunter & Co. C. B.
& Q.

KANSAS.

Ellsworth: H. Work & Co. U. P. R.
R.
Willis: N. B. Hieatt. M. P. R. R.

NEBRASKA.

Hastings: J. M. Sewell & Co.

OHIO.

Lima: Clutter & Long. Stations on the
Erie R. R.

OKLAHOMA TERRITORY.

Oklahoma City: Southwestern Grain &
Coal Co.

TEXAS.

Ft. Worth: P. T. Andrews & Co.
Howe: The Howe Grain & Mercantile
Co.

Sherman: Pittman & Harrison.

MICHIGAN.

Battle Creek: G. L. McLane & Co.
C. & G. T. R. R.

REGULAR GRAIN RECEIVERS.

Receivers who confine their business to regular grain shippers merit the patronage of such shippers.

CHICAGO.

GRAIN DEALERS....

We Want Your Business.

If you appreciate **Honest Work. Good Treatment and Prompt Returns**, consign your grain to us.

CALUMET GRAIN and ELEVATOR COMPANY, ...CHICAGO.
Arthur Sawers in charge of receiving business.

ROSENBAUM BROS.

Receivers and Shippers.

Correspondence Solicited.

Room 77 Board of Trade Building,
CHICAGO, ILL.

Established 1865.

L. EVERINGHAM & Co.,

COMMISSION - MERCHANTS.

Specialties:—Grain and Seeds of all kinds by sample upon their merits.

Consignments solicited; correspondence invited.
SUITE 80 BOARD OF TRADE, CHICAGO, ILL.

I. P. Rumsey. F. P. Schmitt. Fredk. Dickinson.

RUMSEY, LIGHTNER & CO.

Commission Merchants,

226 La Salle Street,CHICAGO.

Special attention given to handling Grain and Seeds in car lots on spot and for forward delivery.

JAMES P. SMITH & CO.

Grain Merchants,

417-418 Rialto Building, CHICAGO.

CONSIGNMENTS SOLICITED.

Henry Hemmelgarn. Philip H. Schiffin.

H. HEMMELGARN & CO.

COMMISSION MERCHANTS.

Grain, Seeds and Provisions.

Rooms, 317, 318, 319 Rialto Bldg., CHICAGO.
Consignments solicited. Correspondence invited.

ARMOUR & CO.,

205 LA SALLE STREET,
CHICAGO.

GRAIN BUYERS AND DEALERS.

W. F. Johnson F. J. Schuyler

W. F. JOHNSON & CO.

GRAIN, SEED AND PROVISION

Commission Merchants

Room 59, Board of Trade, CHICAGO

Branch Offices,
Minneapolis, St. Louis, Milwaukee

ESTABLISHED 1870.

W. R. MUMFORD CO.

Commission Merchants

Branch Offices: Grain, Seeds, Hay
Minneapolis, and Mill Feed.
Milwaukee, St. Louis.

528 to 532 Rialto Building, CHICAGO.

H. A. DREISKE, G. R. HINNERS.

DREISKE & HINNERS,

COMMISSION MERCHANTS,

DEALERS IN GRAIN AND HAY,

Elston Avenue and Blackhawk St., CHICAGO.
Telephone West 386.

C. H. MATTHIESSEN, President.

S. T. BUTLER, Vice President.

CHAS. L. GLASS, Treas. and Secy.

The Glucose Sugar Refining Company,

General Offices,
The Rookery,

CHICAGO, ILL.

FACTORIES:

CHICAGO } ILL. MARSHALLTOWN } IA.
PEORIA } ROCKFORD } DAVENPORT

The world's largest consumers of Corn. Daily consumption, **100,000 bushels.** We are always in the market for corn, and confine our bids to regular grain dealers. Write or wire us when you wish to sell.

JOS. P. GRIFFIN, Mgr. Grain Dept.

NEW ORLEANS.

JNO. T. BRODNAX,

COMMISSION IN

Export Grain and Ocean Room,
7 COTTON EXCHANGE
NEW ORLEANS, LA.

MEMBERS { Chicago Board of Trade.
Chicago Stock Exchange.
New York Stock Exchange.

J. F. HARRIS,

No. 1, Board of Trade, Chicago.

Buy and Sell Grain and Provisions for immediate and future delivery.
Execute orders for purchase and sale of stocks and bonds.

ATLANTA, GA.

WM. H. H. PHELPS,

BROKER

Correspondence solicited in Wheat,
Corn, Oats, Meal, Grit, Bran
and Hay.

ROBINSON'S CODE.

GERMANY.

F. Franz Arnold, Cable address, Arnobius, Hamburg

GEHR. ARNOLD, Hamburg.

BROKERS, COMMISSION MERCHANTS,

and Importers of GRAIN and FEED,

Especially Milling Wheat

Good output for Corn from Atlantic Ports
Correspondence solicited with a view to
C. I. F. business to Germany.

WRITE FOR OUR DAILY MARKET LETTER
J. H. WARE
E. F. LELAND

CONSIGN
YOUR GRAIN AND SEEDS AND
SEND YOUR ORDERS TO

WARE & LELAND

200-210 Rialto Building,
CHICAGO.

Fifteen representatives constantly on the floor of Chicago Board of Trade, thus insuring prompt execution of all orders and close attention to all business entrusted to us.

EDWARD G. HEEMAN

In charge of Receiving Department

ALEX. RODGERS

SEED MERCHANT

Offices, 32 Traders Building.
Warehouses, 220 to 230 Johnson St.

CHICAGO

WILL REMOVE OFFICES TO
WAREHOUSE ON 1st OF MAY.

This is being done that closer personal attention may be given the handling of stocks and particularly to give all orders quickest and best care in executing same. Also beg to tender thanks to so many patrons of the past whose trade has been greatly appreciated since opening business under his own name.

CORRESPONDENCE SOLICITED
BY WIRE OR MAIL.

1827 Miners, Importers and Manufacturers of all forms of Graphite. 1900

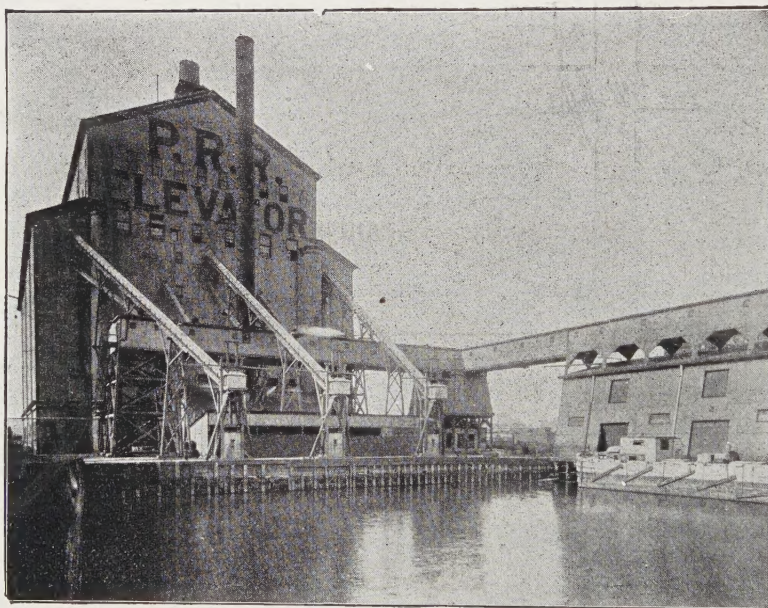
USE DIXON'S SILICA-GRAPHITE PAINT

FOR THE PROTECTION OF

TIN ROOFS

GIVES THE APPEARANCE OF SLATE, AND ALMOST AS LASTING.

EASILY
APPLIED,
ELASTIC,
ENDURING,
ECONOM-
ICAL.



NEVER
FADES,
NEVER
PEELS,
NEVER
CRACKS,
NEVER
BLISTERS.

PENNSYLVANIA R. R. CO.'S. GRAIN ELEVATOR, NEW YORK HARBOR.

Tin Roofs of Elevator, all Freight Piers and Ferry houses painted four years ago with
Dixon's Silica-Graphite Paint (natural color).

Has been in use 30 years, and Durability Records prove it to be the
most Durable Protective Paint for Tin Roofs, Structural
Steel, Viaducts and Bridges, that is manufactured.

Pigment

Ticonderoga Flake Graphite

= =

Vehicle

Pure Fire-Boiled Linseed Oil

Covering Capacity. about 600 Sq. Ft. per gallon.

MANUFACTURED ONLY BY

JOSEPH DIXON CRUCIBLE CO.

JERSEY CITY, N. J., U. S. A.

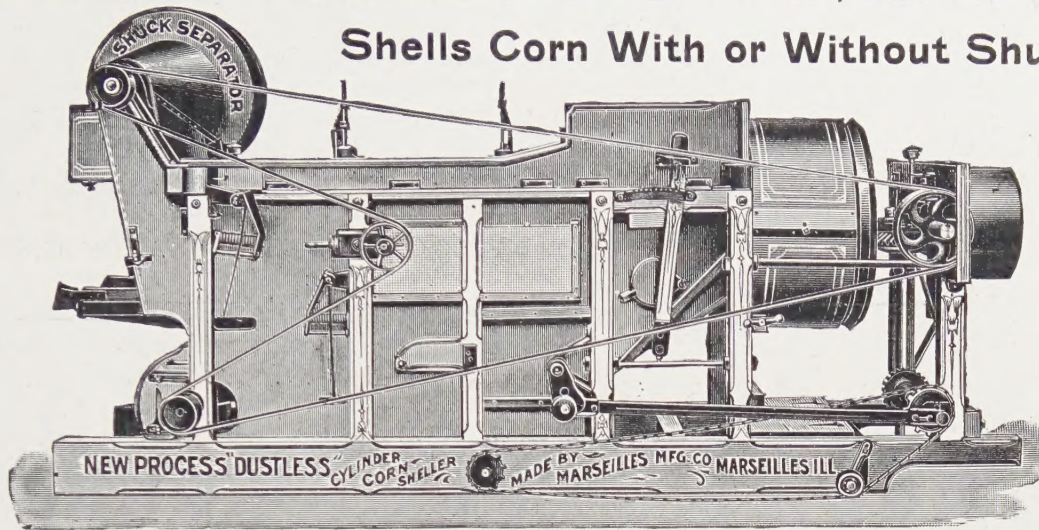
SEND FOR CIRCULARS AND PRICES.

THE NEW PROCESS

"DUSTLESS" "Shuck Corn"
Shellers, Separators and Cleaners,
 FOR FIELD, WAREHOUSE OR GIN HOUSE.

In one operation corn is husked and shelled, separated and cleaned.

Delivers corn, shucks and cobs at different points all ready for the market.



Shells Corn With or Without Shuck.

Ear Corn Feeders, Shelled Corn Elevators and Cob Carriers are furnished when wanted attached to and driven from the machine.

Can also be mounted on trucks and used as a Field Sheller.

A NEW PROCESS IN FACT

Employing New, Original and Patented Mechanical Principles never before combined in any Machine. The husking, and shelling is accomplished by the "Spiral" cylinder revolving at a high rate of speed inside of the concave, which is made up of separate grated staves. The concave is adjustable for all classes of corn. The corn is thoroughly cleaned by means of a blast and suction fan working in conjunction with each other the dirt being blown through a dust spout to any point desired. The husks are separated from the cobs by a powerful suction fan, which carries them from the machine in a tight spout. Shelling parts are made of white iron and are durable.

No waste of grain or power. Cobs left in good shape for fuel.

Address Marseilles Mfg. Co., Marseilles, Ill.



CONTAINS EVERYTHING IN

Grain Cleaning Machines, Flour, Bran, Feed and Meal Packers.

Our 1900 Catalog.

The S. Howes Co.

THE OLDEST AND LARGEST MANUFACTURERS OF GRAIN CLEANING MACHINERY IN THE WORLD.

THE EUREKA WORKS, Silver Creek, N. Y., U. S. A.

THE MORRIS GRAIN DRIER

After six months' actual use, has demonstrated its

Superior Advantages Over All Other Driers

+++

The Basis of perfect drying of Wet Grain is thoro Ventilation of the heated air thru all portions of the grain to be dried.

+++

THE MORRIS IMPROVED
DRIER IS THE ONLY DRIER
IN EXISTENCE WHICH AC-
COMPLISHES THIS.....
RESULTS GUARANTEED.

+++

Will Stand the Wear and give as
in this respect as any drier in the
market. good results

WRITE FOR CATALOG.

F.R. MORRIS
MILWAUKEE, WIS.

THERE ARE MORE PAINE-ELLIS GRAIN DRIERS...

in operation on this continent than all others combined.

WHY? Because they are the only Machines that will handle with equal facility grain containing 50 per cent. moisture to that simply damp and musty.

These Machines will operate successfully and rapidly at a temperature as low as 110 degrees. Practical millers and elevator men will appreciate this.

IT IS ONE THING TO KILN DRY
AND ANOTHER TO PUT EVERY KERNEL
OF GRAIN INTO ITS NORMAL CONDITION
BY NATURE'S OWN METHOD.
WE CAN DO IT.

For particulars, address....

THE PAINE-ELLIS GRAIN DRIER CO.

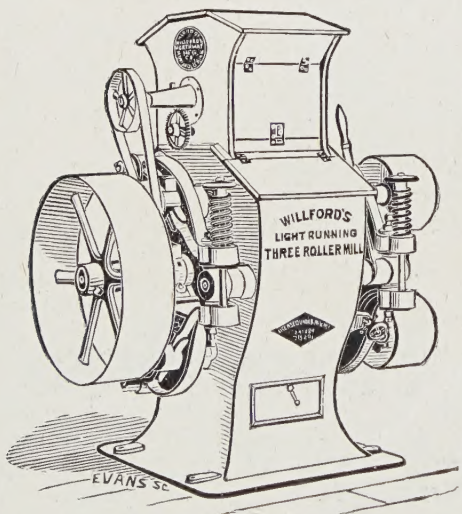
53 Chamber of Commerce.

MILWAUKEE, WIS.

Are You Getting Results from Your Feed Mill?

If not, why not try

WILLFORD'S THREE ROLLER FEED MILL



It has no superior for grinding corn and feed.

Is light running, compact and durable.

Has noiseless all belt drive, the machine being driven by one straight belt without any twist or idler.

Frame is cast in one piece and is perfectly rigid.

The circumference of the large middle roll travels two and one-third times faster than the circumference of the other rolls. This gives the mill great capacity and grinds the feed in a cool, even, granular manner.

The mill is supplied with a fine automatic feeder which is easily adjusted and feeds a steady, even stream to the rolls. Write for circulars and prices.

AGENTS:

W. H. CALDWELL, 703 Royal Ins. Bldg., Chicago, Ill.
M. M. SNIDER, 411 E. 12th St., Des Moines, Ia.
J. H. WILLIAMS, Lock Box No. 203, Columbus, O.
C. E. MANOR, Stanleyton, Page Co., Va.
BARNARD MACHINERY CO., Enterprise, Kans.
WILLFORD MFG. CO., 303 S. Third St., Minneapolis, Minn.
ELI STRONG, Kalamazoo, Mich.
R. C. STONE, Springfield, Mo.
WILLIAM EBERT, Louisville, Ky.
GEO. C. CHAMBERS, Augusta, Ga.

BARNARD & LEAS MFG. CO.

MILL BUILDERS AND MILL FURNISHERS,

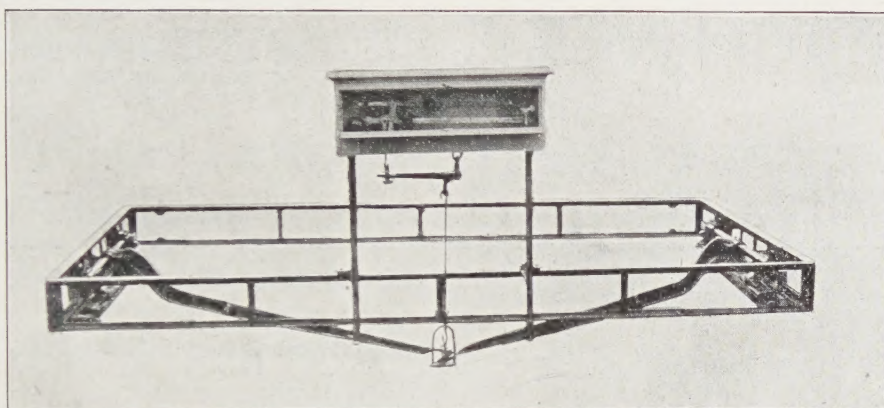
MOLINE, ILL.

THE HESS

PNEUMATIC GRAIN DRIER is recognized by Elevator Men and Insurance Underwriters, as the ONLY desirable Grain Drier.

HESS WARMING AND VENTILATING CO. 708 TACOMA BUILDING,
CHICAGO.

PITLESS SCALES



WITH OR WITHOUT IRON FRAME.

4 TON CAPACITY.

Platform 8x14 feet. Guaranteed for five years and to be U. S. Standard. Compound beam. No loose weights, shot box nor screw balance.

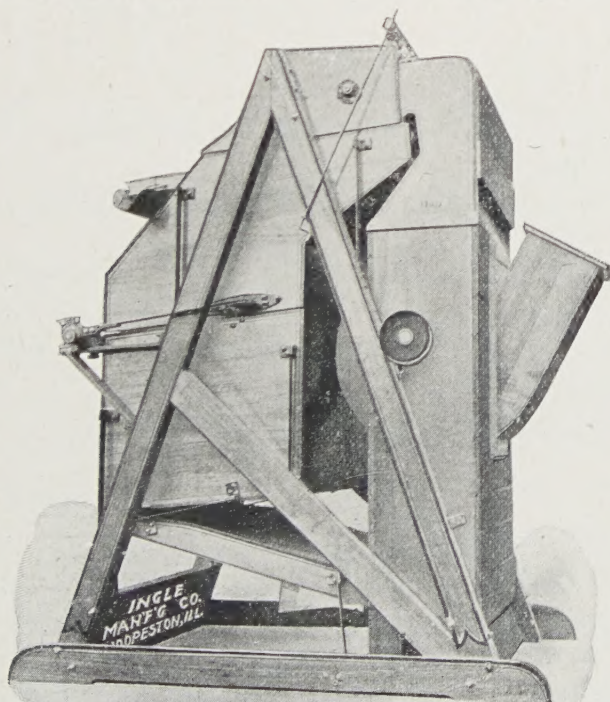
What grain men have long wanted. Write to-day to

CLAWSON & NOBLE,
PLEASANT HILL, MO.

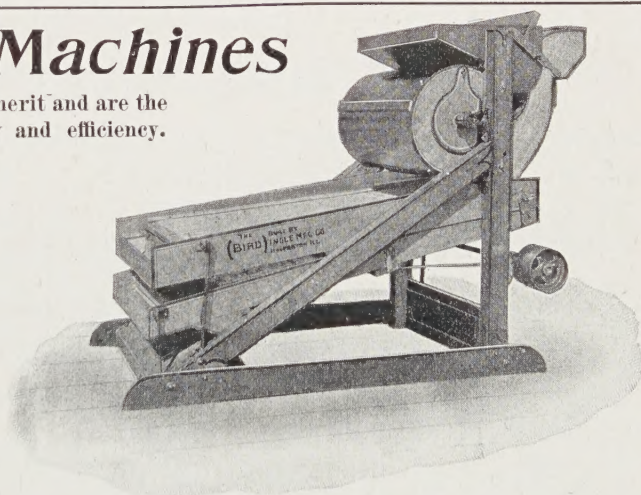
*The last step
in the line of progression
among
Cleaners and Separators.*

Our "BIRD" Machines

Have no equal in point of merit and are the highest type of durability and efficiency.



SUCCOTASH MILL



BIRD SPECIAL

The Bird Special Elevator and Receiving Separator is the very latest and most improved machine of its kind on the market. It is suitable for all classes of work required of such a machine and separates Corn from Oats with perfect satisfaction. It is regularly an open blast machine, but by the use of our dust disposing attachment it can be made dustless and can be placed anywhere without inconvenience from dirt.

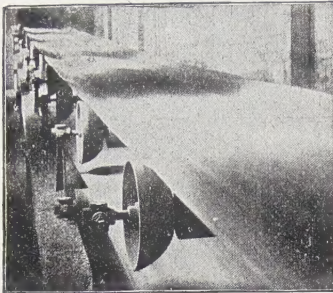
The Bird Succotash Mill is the only satisfactory machine for separating Wheat from Oats. It has double the screen surface of any similar machine on the market and is capable of finer, better and more rapid work than anything ever designed for this particular class of work. Its construction is all that could be desired. It requires little attention, small space for setting up, is exceedingly light running and is absolutely dustless while in operation.

Write for Prices and Descriptions of Our Machines.

Ingle Manufacturing Co.
HOOPESTON, ILL.

We Guarantee Every Machine to give Satisfaction

GRAIN ELEVATOR MACHINERY.



GRAIN CONVEYOR.

Grain Trippers, Car Pullers, Spouting,
Belt Conveyors, Wagon Dumps, Shafting,
Pulleys, Gearing, Friction Clutches,
Rope Sheaves, Link Belting,
Sprocket Wheels, etc.

Send for Catalogue No. 25.

LINK-BELT MACHINERY CO.,

Engineers, Founders, Machinists,
CHICAGO, U. S. A.

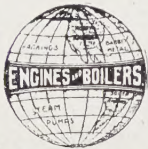
Grain Elevator Machinery

ENGINES
BOILERS
AND
SUPPLIES

Write for Estimates.

DES MOINES MFG. &
SUPPLY CO., 101 E. Court Av.
DES MOINES, IA.

ELEVATOR SUPPLIES



OF ALL KINDS.

ENGINES AND
STEAM PUMPS
REBUILT.

Boilers and General Repair Work.

GLOBE MACHINERY &
SUPPLY CO.

414 to 418
W. Court Ave.
DES MOINES, IA.

GRAIN ELEVATOR MACHINERY.

SEND FOR CATALOGUE NO. 40.

GREAT WESTERN MFG. CO.

GENERAL OFFICE AND FACTORY,
LFAVENWORTH, KANS.

CLEANING MACHINERY,
CORN SHELLERS AND CLEANERS,
TRIPPERS, CAR PULLERS,
BELT CONVEYORS,
POWER GRAIN SHOVELS,

ELEVATOR SUPPLIES.

BELTING, BUCKETS,
HEADS AND BOOTS,
CONVEYOR, SCALES, Etc.

If You

will build or improve your elevator you will profit by learning of the quality and prices of Constant's Grain Cleaning and Elevator Machinery before buying.

Elevator Boot and Sheller Feeders,
Water-tight Boots, Steel Tanks,
Dust Collectors, Wagon Dumps,
and Latest Improved Grain Separators.

Write

B. S. CONSTANT CO.,

Designers of Grain Elevators.

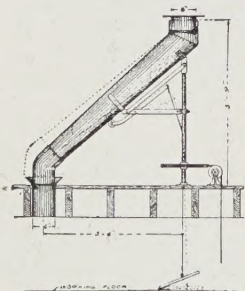
BLOOMINGTON, ILL.

The Gerber Improved Distributing Spout.

(Patent pending.)

SOLD BY **J. J. GERBER**
SHEET METAL WORKS,

128 Sixth Ave., South, Minneapolis, Minn.



Made of heavy sheet steel with elbow at discharge end of cast iron which sets into floor or funnels leading to bins, making it impossible for the spout to get out of position and mix grain. By pressing the foot levers to the floor the end of spout is lifted out of floor funnels and can then be swung to any other bin desired and locked in place. The position of foot lever when released will show whether spout is properly seated in floor funnel or not. Can be made with straight discharge end instead of elbow if desired.

MILL AND ELEVATOR WORK A SPECIALTY.
Elevator Spouting of All Descriptions.

SOME OF THE PEOPLE USING OUR DISTRIBUTING SPOUT:
Davenport Elevator Co., Wilmont, Minn. Davenport Elevator Co.,
Ellsworth, Minn. D. Rothschild Grain Co., Reading, Minn. Spaulding
Bros., Wanda, Minn. McDonald & Co., Cannon Falls, Minn.
Link Belt Supply Co., Fairbanks, Morse & Co., C. D. Holbrook & Co., Agents
MINNEAPOLIS, MINN.

THE CHIEF EAR CORN FEEDER

IN MY EXPERIENCE, I FIND NO EQUAL.

MADE BY

RHINEHART SMITH,

Outfitter of Elevators.

SIDNEY, OHIO.

W. W. LOCKWOOD,
WINFIELD, KANSAS.

Elevator Contractor and Furnisher
BEST FRICTION CLUTCH MADE.

Send for circulars. I sell all kinds of machinery.
Correspondence Solicited. Elevator
plans furnished.

H. KURTZ & SON,
MAKERS OF THE

Incline Elevator and Dump

Also PATENT GRAIN BIN

SAC CITY,

IOWA.

The Chase .. **CLIPPING OATS**
Method of

Saves You Half the Power
and Half the Shrinkage

CHASE ELEVATOR CO.

ARCHITECTS OF GRAIN ELEVATORS,

Write for
Descriptive Circular

10 PACIFIC AVE.,
CHICAGO, ILL.

\$40

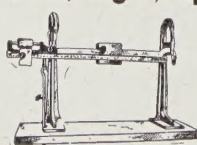
AMERICAN SCALE
BEAM AND BEAM BOX.



5 TON

B. B. Pumps, Windmills
And Water Supplies.
BECKMAN BROS., DES MOINES, IOWA.

Track, Wagon, Hopper and Dump Scales



The only Dump Scale
that will stand usage of a
plain rail dump. Ask for
prices.

W. H. CALDWELL,
Room 703, Royal Ins. Bldg.,
CHICAGO.



WILL go further with the C. S. Co.
than with any other reliable firm
in buying useful articles, including
Furniture, Beds, Mattresses, Stoves,
Sewing Machines, Pianos, Organs,
Watches, Bicycles, Safes, Blacksmiths'
Tools, Mills, Lathes, Gasoline & Steam
Engines, Plows, Scrapers, Carriages,
Harness, Saddles, Wire Fencing
and SCALES of all varieties.
The Premium Wagon or Stock
Scale, Steel Frames. Lists free.
Chicago Scale Co. CHICAGO, ILL.

ELEVATOR BUILDERS.

**CENTRAL
TECHNICAL BUREAU
FOR
Monier Constructions**
E. LEE HEIDENREICH,
Sole Representative
for the United States.
CONTRACTING ENGINEER.
SPECIALTY:
GRAIN ELEVATORS,
Wood, Steel or Monier Construction.
541 Rookery, CHICAGO.

**C. M. Seckner
Engineering Co.**
Designers and Builders of
Grain Elevators.
Contracts taken for all kinds of Heavy Work.
Estimates furnished if desired.
901-904 Unity Bldg. 79-81 Dearborn St.,
CHICAGO.

MACDONALD ENGINEERING CO.
Designers and Builders of
Grain Elevators,
Monadnock Building. CHICAGO, ILL.

**IF YOU INTEND TO BUILD
A GRAIN ELEVATOR**
You will profit by examining my plans of conveniently arranged houses. I study to economize space, labor and power. Complete elevators of any capacity built under one contract.
M. J. TRAVIS, Atchison, Kan.

FRED GROTENRATH,
CONTRACTING MILLWRIGHT.
GRAIN ELEVATORS a Specialty.
Plans, Specifications and Estimates furnished on short notice for complete power plants of all descriptions. Correspondence solicited.
111 W. Water St., MILWAUKEE, WIS.

HONSTAIN BROS.
Contractors and Builders of
GRAIN ELEVATORS
313 Third Street, South,
MINNEAPOLIS, - - MINN.

W. W. SHOCKEY,
MILLWRIGHT,
Elevator Building a Specialty. Estimates Made.
Plans Furnished.
919 W. Wood St., DECATUR, ILL.
References:
Saffern, Hunt & Co. }
Shellabarger Mill & Elevator Co., } Decatur, Ill.
Decatur Milling Co. }

MOULTON-STARRETT CO.
Successors to J. T. MOULTON & SON,
Architects and Builders of
Grain Elevators,
Fisher Building, CHICAGO, ILL.

John S. Metcalf Co.
**ELEVATOR
BUILDERS,**
1075 WEST 15TH STREET.
Plans and Specifications a specialty. CHICAGO.

**THE BARNETT &
RECORD CO.** MINNEAPOLIS, MINN.

....Contractors and Builders of....

Grain Elevators

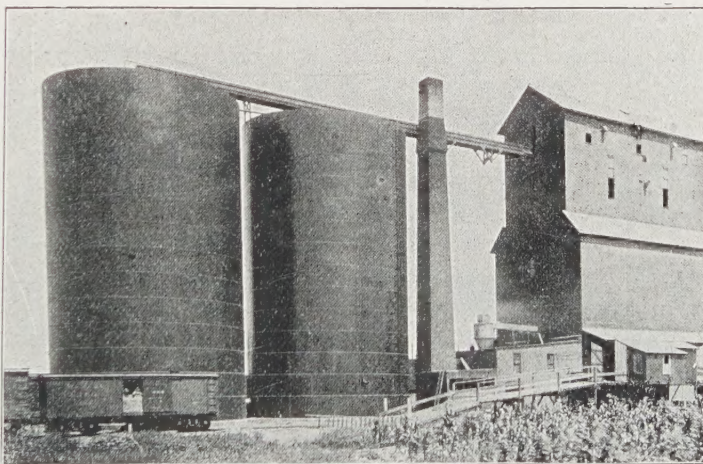
Wm. Graver Tank Works

MANUFACTURERS AND BUILDERS OF

STEEL STORAGE TANKS

...AND...

→ Steel Elevators ←



**We
Build
Storage
For
Any
Commodity
Of
Any
Capacity**

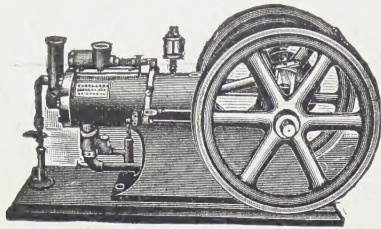


GENERAL OFFICES,

303 Dearborn Street, CHICAGO.

YOUNGLOVE, BOGGESS & CO.
CONTRACTORS, DESIGNERS
AND BUILDERS OF
ELEVATORS
Write us for Ideas and Estimates
MASON CITY, IOWA.

A. E. HONSTAIN I. S. HONSTAIN.
HONSTAIN & CO.,
Contractors and Builders of
GRAIN ELEVATORS
324 THIRD ST., S., ROOM 215,
MINNEAPOLIS, MINN.



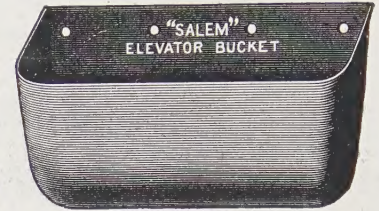
We Believe the Grain Dealers Journal

IS A GOOD MEDIUM IN WHICH TO ADVERTISE OUR

Burrell Gasoline Engines, Salem Elevator Buckets, Steel Conveyors, Sprockets and Chains, Shafting, Pulleys, etc., S.&K. Rotary

Car Loaders, Rope Transmissions, Power Shovels, Friction Clutches, Belting, etc.

FULL EQUIPMENTS FOR ELEVATORS OF ALL SIZES.



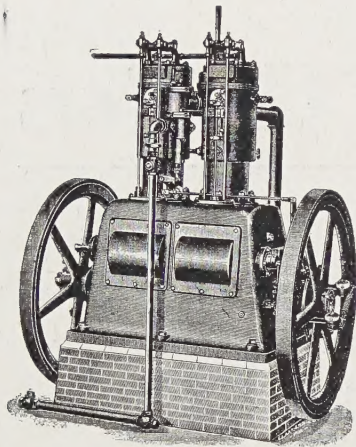
Write for our 1899 Catalog.

Send us your Specifications.

SKILLIN & RICHARDS MFG. CO.

241 and 243 So. Jefferson St., CHICAGO, ILL.

WALRATH GAS AND GASOLINE ENGINES.



FROM 1-100 H. P.

Regulation as good as Automatic Steam Engines.

Is Self-oiling.

Simple in Construction.

Thoroughly Made.

All Parts Interchangeable and Accessible.

Every Engine Tested Before Leaving Shop.
Adapted to All Kinds of Work.

Manufactured by

MARINETTE IRON WORKS MFG. CO.,
MARINETTE, WIS.

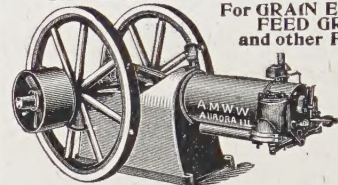
CHICAGO OFFICE:
301 FISHER BLDG.

Write for Catalog.

THE AMERICAN WELL WORKS

GASOLINE ENGINES

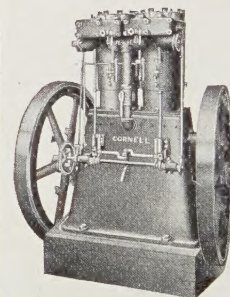
For GRAIN ELEVATORS,
FEED GRINDING,
and other Farm Duties.



Every
Engine
Fully
Guaranteed

Write
for
Circular
76 A.

CHICAGO ILL. AURORA ILL.
DALLAS TEX.



**Cornell Machine
Company**

76 Pratt St.,
Chicago, Ill.

Manufacturers

**GAS and GASOLINE
ENGINES**

High Grade. Simple.
Economical.

Write for particulars.

FAIRBANKS-MORSE

Gasoline Engines

...ARE LIKE...

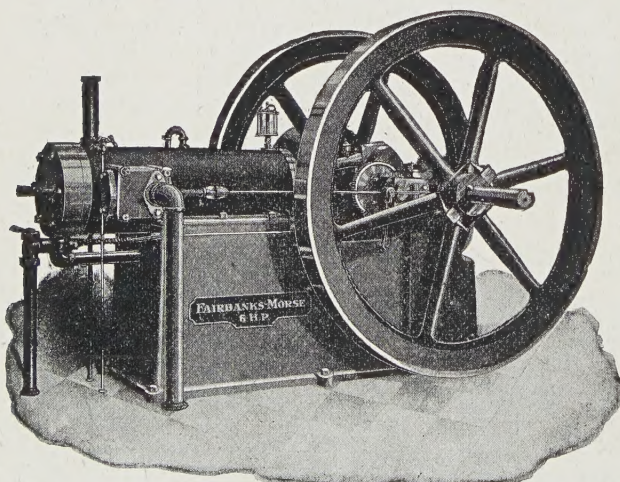
FAIRBANKS SCALES,

Standard,
Durable,
Reliable.

Thousands of the Scales and hundreds of the
Engines are used by the GRAIN TRADE.

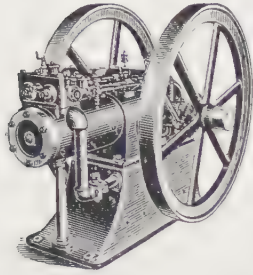
FAIRBANKS, MORSE & CO.

CHICAGO.



St. Louis. Minneapolis. Cincinnati. Cleveland. Kansas City. Indianapolis. Louisville. Omaha.
Portland, Ore. St. Paul. Denver. San Francisco. Los Angeles.

**THE DAYTON
GAS AND GASOLINE
ENGINE** leads all others in



**SIMPLICITY,
ECONOMY and
DURABILITY.**

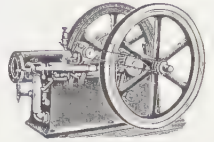
Admirably adapted
for use in grain
elevators and....
mills. Sizes from
1 to 50 H. P.

Write for descrip-
tive circular.

**THE DAYTON
GLOBE IRON
WORKS CO.**

87 S. Ludlow St., DAYTON, OHIO.

FOOS GAS and GASOLINE ENGINES. 2 to 250
H. P.
The 35 H. P. Foos in our elevator is easy to start,
faithful to act and works like a clock. It seems
only a step from perpetual motion.
NUTT BROS. & WELLS, Urbana, Ohio.
FOOS GAS ENGINE CO., Springfield, Ohio.



PEERLESS GAS AND GASOLINE ENGINES

Unexcelled for All Stationary and Power Purposes.
ENGINES IN STOCK.

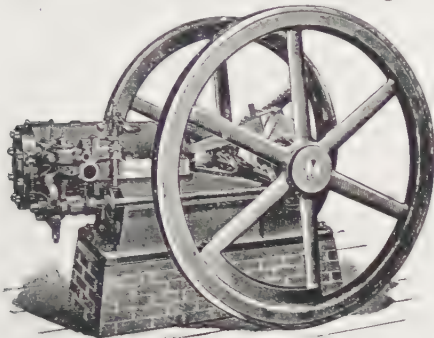
Vertical, single cylinder, 2-4-6-8-10 H. P. Tandem, double cylinder, 10-15-20-25-35-50-60 H. P.
High Grade in every respect. Steady, Economical and Durable.

NORTHERN ENGINEERING WORKS,

Send for Catalogue.

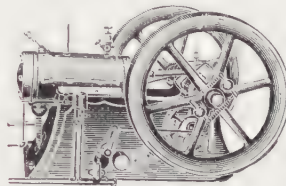
10 Chene Street, DETROIT MICH.

The "New Era" Gas and Gasoline Engines.



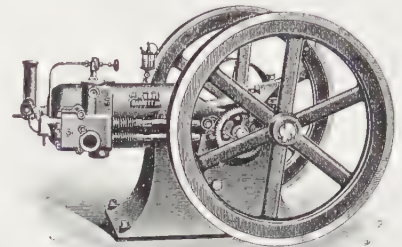
If interested write for particulars to
THE NEW ERA IRON WORKS CO.,
No. 86 Dale Ave. DAYTON, OHIO.

Iowa's Adopted Flower—THE WILD ROSE.
Iowa's Best Engine—The "Waterloo"



Power for every class of work. Write for
catalog, prices and terms.

The Waterloo Gasoline Engine Co.,
Box 56. Waterloo, Iowa.

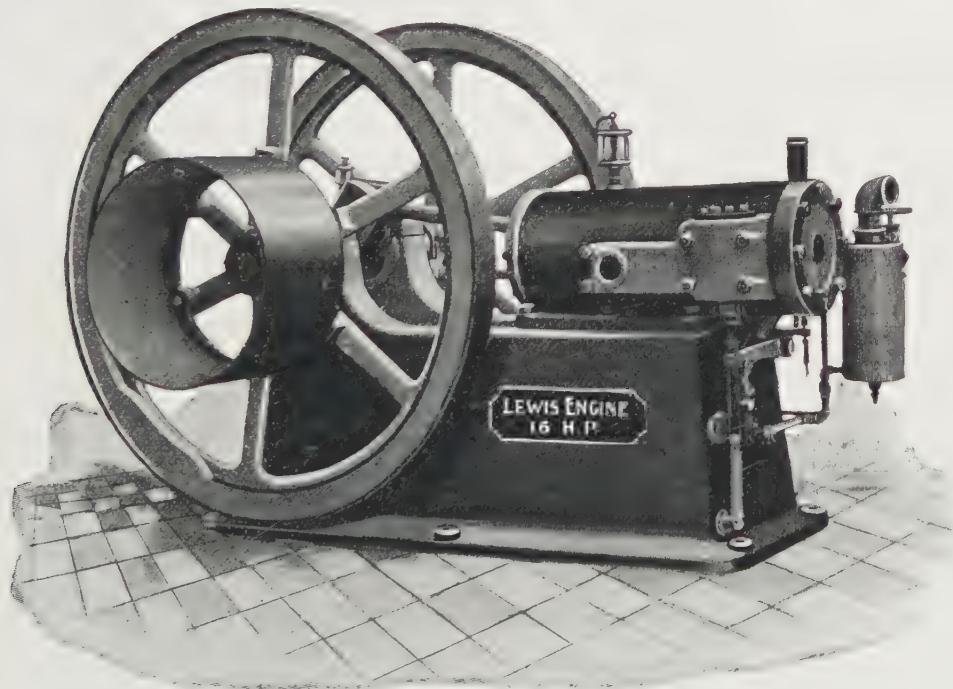


The Model Gas & Gasoline Engine

It always pays to buy the best, the simplest, and the
one that costs the least to operate and keep in repair.

Write us for guar-
antee and compare
with others. **Garrett Gas Engine Co.**
GARRETT, IND.

Original Lewis GASOLINE ENGINES



GOLD MEDAL,
WORLD'S FAIR, 1893.

TWO GOLD MEDALS,
OMAHA EXPOSITION, 1899.

MOST POPULAR AND
RELIABLE FOR

Grain Elevators,
Water Works,
Electric Plants.

VOLUME GOVERNOR.
DOUBLE EXHAUST.

AIR ADJUSTMENT TO
REGULATE MIXTURE.

J. THOMPSON & SONS MFG. CO.

BELOIT, WIS.

The Adjustable Elevator Dump



LOW WHEEL WAGON.

MANUFACTURED AND
GUARANTEED ONLY BY

SIMS BROS., Paris, Ill.

gives all wagons, regardless of size of wheels, about the same pitch when dumped. It lets all wagons down in dump easy. It can be easily attached to all sill dumps now in use without changing trip or pins. The sills are hung on.

There is no dump that pretends to do what we guarantee the Adjustable Dump will do.

PARIS, ILL., NOV. 21, 1899.

To whom it may concern:

We are pleased to state that we have had the Sims Bros.' Patent Grain Dump in our elevator for about thirty days and cheerfully recommend it to any elevator handling grain, for it dumps the wagon easier, gives it more pitch so that grain runs out of the wagon freer, and takes much less power to pull the wagon up than any dump we have ever seen. It is a great favorite with the farmers, and we feel sure it will pay you to put them in place of any kind of dumps you may have in use.

Yours,

F. L. KIDDER & Co.

Write for price list, description and testimonials.

NUTT'S Patent Flexible and Telescoping SPOUT



Closed.



Open.

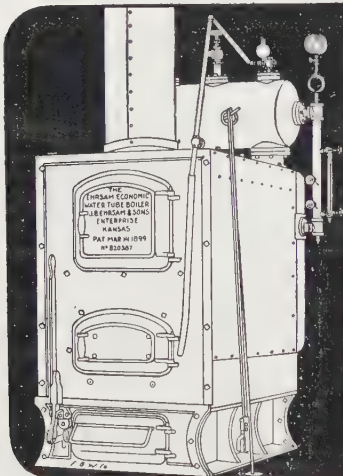
is the most convenient, the easiest handled, and is adapted to more uses than any other spout made.

Cheapest because one will do the distributing of many spouts of other patterns. Can be closed up to occupy one-fifth of the length when extended.

WRITE
FOR
PRICES.

MANUFACTURED BY

FLEXIBLE SPOUT CO., Urbana, O.



ELEVATOR POWER

FOR LITTLE MONEY.

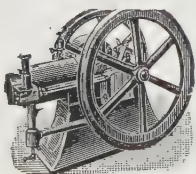
Grain men will find upon investigation, that better satisfaction is obtained from the

Ehrsam Economic Water-Tube Boiler

than from any other steam generator made. It is a quick steamer—requires only 15 or 20 minutes to develop working pressure. It is a dry steamer—steam is superheated before reaching the dome. It saves fuel. It is self-contained and requires no walling in—only an inexpensive foundation. Compact—takes small space. Radiates little or no heat and can be set where most convenient. Has rocking grate bars. All necessary fittings and appliances furnished free. Two styles; 6 to 20 horse power. Tested to 220 pounds. It is a money-saver. Send for booklet and prices.

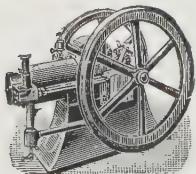
J. B. EHRSAM & SONS, ENTERPRISE, KANSAS.

We are Headquarters for Elevator Supplies of every description. SEND FOR CATALOGUE.



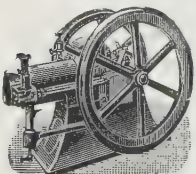
A Broad and Liberal Guarantee

goes with every WEBER ENGINE that leaves our shop—a guarantee that covers every feature of construction and operation. That guarantee is given in full in our illustrated catalog of Gasoline and Oil Engines, free upon request.



Every Weber Engine is Tested

in the most thorough manner before it leaves our shops,—is required to carry its full load for four days, and is rigidly tested for its consumption of fuel. No engine that fails to fully meet these tests ever goes out of our shops. We couldn't afford to let it. Send for catalog.



Three Years' Use--Repairs 25c.

A Kansas concern writing about a Weber Gasoline Engine, says:—

"The repairs have been nothing but one valve stem spring. That is all the repairs for three years, and we are running the engine under full load." Write for illustrated catalog and other testimonials.

WEBER GAS AND GASOLINE ENGINE CO.,

406 S. W. Boulevard, - - - Kansas City, Mo.

When Writing Advertisers
Kindly Mention the

Grain Dealers Journal.

A. B. C. CODE.

The A. B. C. Universal Commercial Electric Telegraphic Code is used more extensively in international trade than all other ciphers. No one who does business with European firms can afford to be without a copy.

By its use merchants attain simplicity, economy and secrecy in sending messages. Every word is identified by a single code word. The saving effected in sending a single message often amounts to more than the cost of the code. The secrecy of messages between two persons can be made absolute, even though any other person may have access to telegram and Code.

A rubber stamp bearing words "A. B. C. Code Used" given with each Copy. **Price, per copy, \$5.**

For Sale by **GRAIN DEALERS COMPANY,**
10 Pacific Ave., Chicago, Ill.

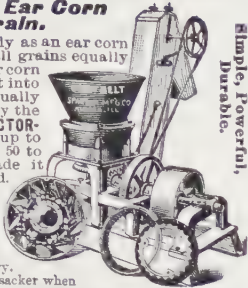
CORN BELT POWER GRINDER.

For Grinding Ear Corn and Small Grain.

Designed more especially as an ear corn grinder, but will grind all grains equally well. Does not crush ear corn and cob, but cuts it first into coarse and then gradually finer cubes until taken by the burrs. **GRINDS SATISFACTORILY** with 3-horse power up to 15. It's slow speed, only 50 to 300 revolutions. So made it can't heat and spoil feed.

WE GUARANTEE IT to grind more ear corn per horse power than any other grinder made. Grinding parts easily taken out and replaced if necessary. Equipped with elevator and sacker when desired. Write us for circulars, prices, &c., before you buy.

SPARTAN MANUFACTURING CO., 25 Fox St. Aurora, Ill.



Simple, Powerful,
Durable.

Clarks Grain Tables

AVOID UNNECESSARY FIGURING,
PREVENT ERRORS IN COMPUTATIONS
BY USING

CLARK'S STANDARD SERIES
OF GRAIN CALCULATORS,
FOR REDUCING POUNDS TO BUSHELS.

Clark's Grain Tables for Wagon Loads reduces team scale weights to bushels. This book is prepared for use by Country Buyers. It contains 9 tables, showing the number of bushels in any load from 100 to 4,000 lbs. The first table is for reducing weight of oats to bushels of 32 lbs.; the second is for oats at 35 lbs.; the third is for barley, Hungarian grass and cornmeal at 58 lbs. to the bushel; the fourth is for shelled corn, rye and flax seed at 56 lbs. to the bushel; the fifth is for wheat, clover seed, beans, peas and potatoes at 60 lbs. to the bushel; the sixth, seventh and eighth are for ear corn at 70, 75 and 80 lbs., respectively, to the bushel; the ninth is for timothy seed at 45 lbs. to the bushel. All of the tables are printed in heavy faced type on good paper. The price of this book, bound in strong manilla cover paper, is 50 cents.

Clark's Vest Pocket Grain Tables include tables reducing any number of pounds from 60 to 100,000 to bushels of 56 lbs., 60 lbs., 48 lbs., 70 lbs., 75 lbs., 80 lbs. and 45 lbs. They are bound in tough paper and form a thin book 2 3/4 inches wide by 8 1/4 inches long. Price 50 cents.

Clark's Grain Tables for Car Loads reduces any amount from 20,000 to 64,000 lbs. to bushels, and is designed for use by Shippers and Commission Merchants. It is printed on good paper from heavy faced type and bound in cloth. It contains 16 tables, which show the equivalent in bushels of 32, 56, 60 and 45 lbs. of any amount from 20,000 to 75,000 lbs. Price \$1.50.

Bushel Values is a companion table for wagon loads. It shows the cost of bushels and lbs. when the market price is any amount from 15 cents to \$1.04 per bushel. It is conveniently arranged and easily understood. It is printed on good paper and bound in heavy cover paper. Price 50 cents.

Any of the above tables can be obtained from the
GRAIN DEALERS COMPANY,
10 PACIFIC AVE. CHICAGO, ILL.

Clark's Record for Wagon Loads Received

Is for the use of country grain dealers. It is 9 1/4 x 12 inches, contains 160 pages and has room for records of 3000 loads. It is ruled for date, name, kind, gross and tare, net pounds, bushels, pounds, cents, dollars, cents and remarks. This book is printed on strong white ledger paper and bound in board covers, with leather back and corners.

Price \$1.50.

For Sale by

GRAIN DEALERS COMPANY,
10 Pacific Avenue, Chicago, Ill.

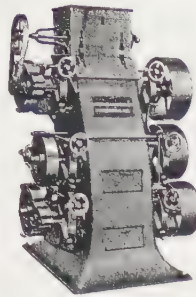
Feed Mills Roller and French Buhr.

For Durability, Simplicity, Large Capacity, Uniform Grinding and Light Running, our Mills are Unexcelled.

WE
MAKE

THREE ROLL-TWO BREAK MILLS—2 sizes,
THREE PAIR HIGH-6 ROLLER MILLS—4 sizes,
TWO PAIR HIGH-4 ROLLER MILLS—5 sizes,
And 85 Sizes and Styles of BUHR STONE MILLS.

Send for Catalog and Prices.



3 PAIR HIGH-6 ROLLER MILL.

NORDYKE & MARMON CO.,

FLOUR MILL BUILDERS. ESTAB. 1851.

37 Day St., INDIANAPOLIS, IND.

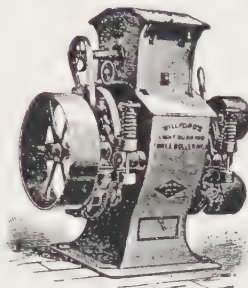
Willford's Light-Running Three-Roller Mills

ARE THE BEST FEED GRINDERS FOR ELEVATORS

BECAUSE....

They have the greatest capacity for power consumed
They have solid cast frames.
They have simple but perfect adjustments.
They have noiseless belt drive.
They have given satisfaction to thousands of users all over the United States.

Send for Circulars and Prices.



Willford's Three-Roller Mill.

WILLFORD MANUFACTURING CO.

223 South 3rd St., MINNEAPOLIS, MINN.

BOWSHER FEED MILLS.

Have you any off grain to grind?

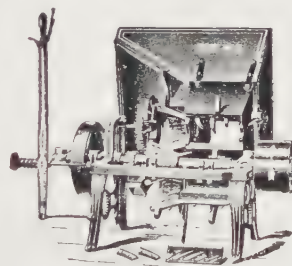
It's a good way to get the money out of it.

Do your customers want Corn Ground, Cob and all?

Curious if they don't.

The Bowsher Mill is the best all around feed grinder in the market. It is the **lightest running** Sold with or without sacking attachment. **Seven sizes**, ranging from 2 to 25 h. p. We are only waiting to be asked to mail you our handsome new circular.

THE N. P. BOWSHER CO.
SOUTH BEND, IND.



Northway's 4 and 6 Roll Corn and Feed Mill

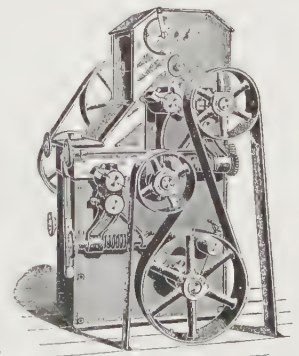
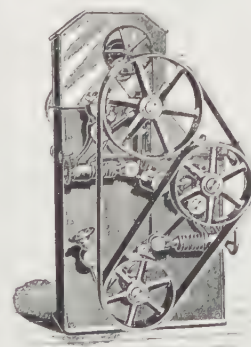
GUARANTEED
LARGEST CAPACITY
FOR POWER
CONSUMED....

Wide Bearings.
Splendid Belt Contact.
Simple and Convenient Adjustments.
Can be driven on either side from a shaft running in either direction.
Sent on 30 days' trial to responsible parties.

**Strong & Northway
Mfg. Company,**

129 Fifth Avenue, So.,
MINNEAPOLIS, Minn.

PLEASE MENTION THIS PAPER.



IF YOU WANT

To buy, sell, rent or lease an elevator, or buy or sell machinery, try a liner ad. in the **GRAIN DEALERS JOURNAL**; its inexpensive and effective.

THE ALBERT DICKINSON CO.

DEALERS IN
GRASS SEEDS, CLOVERS, BUCKWHEAT,
BEANS, PEAS, BIRD SEED, POP CORN,
GRAIN BAGS, ETC.
OFFICES, WEST TAYLOR ST., AND THE RIVER, CHICAGO.

Does Your Roof Leak?

Old Roofs made
Good as New....

If an old leaky tin, iron or steel roof, paint it with Allen's Anti-Rust Japan. One coat is enough; no skill required; costs little; goes far, and lasts long. **Stops leaks and prolongs the life of old roofs.** Write for evidence and circulars. Agents wanted.

ALLEN ANTI-RUST MFG. CO.

413 VINE STREET, CINCINNATI, OHIO.

OATS CLIPPED, CLEANED AND MIXED AT THE

Nickel Plate Elevator,

Operated by HARRY G. CHASE, 10 Pacific Ave.
...CHICAGO...

SALES, SHIPMENTS AND RETURNS BOOK

is invaluable to the country grain man in keeping record of his sales and shipments and returns from the shipments made. Its use will save much time and book work. The pages are 10 1/4 x 10 3/4 inches, used double. The left hand pages are ruled for information regarding **SALES** and **SHIPMENTS**; the right hand pages for **RETURNS**. Under **SALES** the column headings are Date, Amount Sold, Price, Grain, Terms. Under **SHIPMENTS** are Date, Car Number and Initial, Our Weights, In Bushels, Grade, Route, Rate. Under **RETURNS** are Destination Grade, Difference, Bushels, Over, Short, Gross Proceeds, Freight, Over, Short, Commissions, Other Charges, Total Charges, Net Proceeds, Drafts, Remarks. Each book has room for records of about 1400 car loads. It is bound with substantial leather covers and printed on linen ledger paper.

Price, \$1.50. For sale by

GRAIN DEALERS COMPANY,
10 Pacific Ave. CHICAGO, ILL.

A Grain Spout...

that will load cars without shoveling. It is worth its weight in gold. It will save you in labor all it costs in less than a month. The spout is lined throughout with heavy sheet steel, which can be renewed at any time



without taking down the spout. We furnish new linings to all users of our spout at a reasonable price. Send for prices to

H. SANDMEYER & CO.
PEORIA, ILL.

CANCERS removed in ten days, root and branch, by **SCHWARTZ CANCER CURE**, a wonderful medicine. Home treatment; no traveling expenses or big board bills at some sanitarium. The medicine does the work. No cure, no pay; no caustic used; no knife; no loss of blood; no pain; simply stay at home and use the medicine as directed. If you have friends who are afflicted with cancer, send us their names and address that we may mail them free booklet. We can remove all external cancers, address Schwartz Cancer Cure, Lebanon, O.

1900 — EDITION — 1900

RAND, McNALLY & CO.'S REVERSIBLE WALL MAP
OF THE

United States and World

WITH SPECIAL INSET MAPS OF

Cuba, Porto Rico, The Phillippines, Hawaii, and Alaska

Especially prepared to meet the demand for a first-class low-priced map that will give a quick general idea of events the world over, and particularly as relates to the United States and her possessions. Necessary and useful in every home and office.

IT HAS BEEN PRONOUNCED A PHOTOGRAPH OF THE WORLD

One side shows a grand map of our great country, with counties, railroads, towns, rivers, etc., correctly located. The other side shows an equally good map of the world. Statistics on the population, cities, capitals, rivers, mountains, products, business, etc., a veritable photograph of what you want to know.

Two Maps, Worth Five Dollars Each, on one sheet

Sent to any address by mail or prepaid express on receipt of

...\$1.50...

The map is printed on heavy map paper and is mounted on sticks ready to hang.

Agents Wanted at All Towns. Write for Terms.

RAND, McNALLY & CO., CHICAGO, ILL.

Clark's Grain Book

Is a Record and Memorandum Book
for the use of Country Dealers.

It is 9 1/2 x 12 inches, contains 400 pages of heavy manilla paper, bound with board covers, leather back and corners. Each page is ruled into 12 uniform sized squares. Each square is used to keep a record of each load of grain, there being room enough to write the farmers name, kind of grain, gross, tare and net weights and to figure how much it comes to at the ruling market price.

Price \$1.50.

For Sale by

Grain Dealers Company,
10 Pacific Avenue, Chicago, Ill.

CALIFORNIA.

Burlington Route Personally Conducted Tourist Parties Every Week.

If you are going to California and wish to save expense, yet travel in safety and comfort, investigate these "once-a-week parties." They leave every Wednesday from both Chicago and St. Louis, joining at Denver. Then past the grandest scenery in the world, over the Denver & Rio Grande Railroad. A few hours' stop to see Salt Lake City, and on via Ogden and the Southern Pacific Railway. A special agent is in charge of each party, and the cars are comfortable and exquisitely clean. Ask your ticket agent for full particulars and send 6 cents in postage for our beautifully illustrated book on California. It is a work of art.

P. S. EUSTIS, General Passenger Agent, C., B. & Q. R. R., Chicago, Ill.

A' BOOK OF SPROCKET CHAIN APPLIANCES WEBSTER MFG. CO.

Our book of Sprocket Chain Appliances, also our book of Power Transmitting Appliances are full of valuable information for all who are interested in either of these lines. We will take pleasure in mailing them on application. Have you received our March 1st Price Current?

WEBSTER MFG. CO.
1075 W. Fifteenth Street, CHICAGO, ILL.
38 Dey St., NEW YORK CITY.

Rubber Stamps...

Of all kinds, Inks, Pads, Stencils,
Steel Dies and Seals. Write to
Dept. B.

S. D. CHILDS & CO., CHICAGO.

Clarks Car Register.

Indispensable to grain receivers and large shippers. Affords ready reference to the entry or record of any car number.

All numbers are separated into 100 divisions, indexed by first and second right-hand figures, so one can quickly find the record of any car entered. In looking for 9846, turn to the marginal index for the unit, 6, on that page find column 4, and follow blue line in column to figure 8, which will be the number wanted.

The book comprises double pages of heavy paper ruled in columns for initials, car number and record of 7,500 cars. Well bound, 11x14½ inches. Price \$1.50.

The same book, with space for registering 15,000 cars. Price \$2.50.

Sold by GRAIN DEALERS COMPANY,
10 Pacific Ave., CHICAGO, ILL.

THE GAS AND GASOLINE ENGINE AND ITS AGE.....

BY NORMAN & HUBBARD.

Is a practical hand book of questions and answers; a reference book for users and those contemplating the purchase of a gas or gasoline engine. It gives a historical review of the growth of the gas and gasoline engine and the features that are essential to the good working of a gas or gasoline engine. It gives a long list of questions and answers which are invaluable to users, describes an indicator, the pounding of engines, precautions in running a gas engine, etc. It also gives a description of nearly all the prominent makes of American engines. Besides a very complete set of rules and tables, which are invaluable to operators of engines. This book is of convenient size, well bound in cloth covers, printed on book paper, and profusely illustrated. Price \$1.

For Sale by
GRAIN DEALERS COMPANY,
10 Pacific Avenue, CHICAGO.

LIVE STOCK DEALERS

Consign Your Stock and Address Your
Correspondence to

ROSENBAUM BROTHERS & CO.

Union Stock Yards.....CHICAGO.
KANSAS CITY.

OMAHA.

ABOUT DINING CARS.

The verdict given by the general public that the Great Rock Island Route has the Best Dining Car Service in the world, will not be disputed by patrons who have used this line. Thousands of letters testify to this fact. A better meal cannot be secured in any hotel or restaurant in the cities of New York or Chicago than is served in the Rock Island Dining Cars. A la carte on all cars; a splendid lunch served on Colorado trains for 50 cents.

BELTING FOR ELEVATORS

WE HAVE BARGAINS IN

COTTON, GANDY, RUBBER, LEATHER BELTING

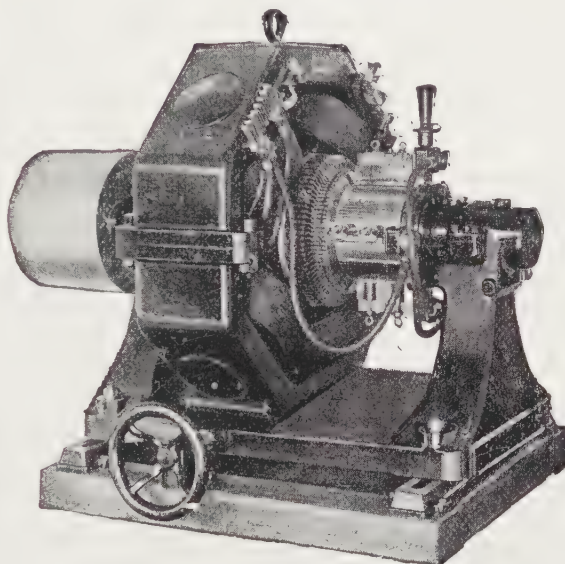
DALLAS MILL & GIN SUPPLY CO.

169 ELM STREET.

DALLAS, TEXAS.

ELECTRIC LITE.

Make Your Own, Sell Some.



Utilize your steam power to make electricity. Sell what you don't need.

If already doing this and if you want to enlarge or to change we will trade old apparatus for new or we can make repairs on anything required and put old plants in good order.

We Sell
Everything Electrical

THE F. BISSELL CO., Toledo, Ohio.

CIFER CODES.

Use a good Telegraph Cipher Code. Prevent errors, reduce the cost of sending messages, prevent contracts becoming known to agents.

0

ROBINSON'S TELEGRAPH CIPHER CODE is used more extensively by the grain trade than all others combined. Compact, small, can easily be carried in the pocket. Well printed on good paper. Bound in leather, \$2.00; cloth, \$1.50.

0

JENNING'S NEW ENGLAND TELEGRAPH CIPHER AND DIRECTORY. Bound in Morocco, \$3.00.

0

A-B-C INTERNATIONAL CODE, \$7.00.

STEWART'S INTERNATIONAL CODE. By means of which any number from 1 to 1,000,000 can be expressed by a single word of not more than ten letters. 25 cents.

For any of the above, address

GRAIN DEALERS COMPANY,

10 Pacific Avenue, CHICAGO, ILL.

GRAIN DEALERS' EXCHANGE.

ELEVATORS FOR SALE.

ELEVATOR for sale or rent by John Helberg at Nerstrand, Minn.

GOOD elevator and coal business. \$9,500. Box 25, Meredosia, Ill.

FARM, elevator, storeroom and stock goods for sale. J. C. Spahr, Clare, O.

GRAIN elevator for sale; 10,000 bu. capacity. T. N. Langley, Medora, Ill.

GOOD elevator on C., R. I. & P. Kent, care Grain Dealers Journal, Chicago.

HALF interest in Missouri elevator cheap; 35,000 bu. T. O. Mead, Slater, Mo.

ELEVATOR and live stock business for sale, in western Iowa. Box 5, Halbur, Iowa.

INDIANA elevator, 12,000 bu., steam power; good trade; best location. Address Box 26, Argos, Ind.

IOWA 50,000-bu. elevator for \$2,600 if sold soon; a snap; good country. Address Lock Box 4, Burnside, Ia.

HALF interest or all of elevator and coal business for sale. Good point. Ostenberg & Co., Wahoo, Neb.

ELEVATOR and handsome residence on C. A. & C. R. R., near Columbus, for sale. John Boles, Westerville, O.

KANSAS elevator for sale on U. P. Ry. Good grain point. Price, \$2,000. Address Box 340, Wamego, Kan.

NEW elevator at Leeds, Ill., 10,000 bu. capacity, in good grain country on A. T. & S. F. Ry. O. M. Kelley, Dana, Ill.

FARMERS' ELEVATOR at this place, complete in all parts, is for sale. Address Charles Siebert, Wells, Minn.

ELEVATOR, 20,000 bu. and modern 8-room residence for sale. High grade property. J. W. Worl, Sterling, Neb.

ELEVATOR on C., R. I. & P., grain, flour, feed and coal business. Fine equipment. W. A. Lower, Herington, Kan.

THREE elevators in hard wheat belt of S. D. and N. D. for sale. All good points. Perry & Jones, Aberdeen, S. D.

THREE elevators for sale in S. E. So. Dak.; coal in connection; good business and large territory. Address John Mundt, Hartford, S. Dak.

ELEVATOR for sale in central Ia. corn and oats region on C. & N. W. Good condition, 20,000 bu. Address J. J. Fones, Rialto bldg., Chicago.

IOWA elevator at great sacrifice, on C. & N. W., in county seat; large territory. H., Box 6, care Grain Dealers Journal, 10 Pacific Av., Chicago.

ELEVATOR for sale in N. W. Ia., on Ill. Cent. R. R. Good location. K., Box 1, care Grain Dealers Journal, 10 Pacific Av., Chicago, Ill.

WISCONSIN elevator, with first-class equipment, for sale cheap; on N. W. R. R., 40 mi. from Milwaukee. Address Geo. H. Crowns, Port Washington, Wis.

WELL-EQUIPPED elevator; 2 dumps and everything in proportion; 75,000-bu. trade, 100,000-bu. storage; for sale at a bargain; good reason. George Fisher, Board of Trade, Indianapolis, Ind.

ELEVATORS FOR SALE.

ELEVATOR for sale cheap; in the choice grain district of Northwestern Iowa; live progressive town; 40,000 bu. capacity; all in good repair; 2 feed mills; oat clipper and up-to-date machinery. E. C. Cowles, Storm Lake, Ia.

THREE elevators, two new, on B. C. R. & N. in Northern Iowa, for sale. Also coal business at two points and machine shed and business. Good grain country. Address B, Box 5, care Grain Dealers Journal, 10 Pacific av., Chicago.

ELEVATOR and feed mill, grain, wood, coal and feed business for sale on C. & N.-W. Ry., no competition; in Wisconsin suburban town; 400 cars handled last year. A. L., Box 6, care Grain Dealers Journal, 10 Pacific Av., Chicago.

ONE-HALF or whole interest in a grain, lumber, coal and hardware business, in a rich farming community. Good reasons for selling; about \$3,000 buys ½ interest; a bargain. Address Stapleton & Mitchell, Lake City, Ill.

ONE-HALF or all of 12,000 bu. cribbed ironclad (corn sheller and cleaner two dump) elevator, in connection with complete short process roller and feed mill for sale; steam power; only mill and elevator in town of 1,100; S. E. Ia. J. W. Carden, Geneva, Ia.

IOWA elevator; N. W. part of state; in A1 condition; capacity, 25,000; cribbed with 2 x 6; 6-h. p. gas engine; coal shed and good business in connection; in county seat, 4,000; good grain country; bargain if taken soon. L. A. W., Box 8, care Grain Dealers Journal, 10 Pacific Av., Chicago, Ill.

CENTRAL IOWA elevator; 35,000 bu., steam power, with corn sheller, oat clipper, track scales, etc. One of the best cleaning houses in the country and doing good business. Cost \$8,500; will be sold cheap if taken at once. Address M. L. C., Box 8, care Grain Dealers Journal, 10 Pacific Av., Chicago.

MICHIGAN elevator for sale; one of the best, built in 1895, and equipped with modern machinery; large business in grain, beans, coal, &c. In one of the best sections of the state. Will be sold at a bargain; cost \$8,000. Elevator at Whitmore Lake also for sale. C. E. Burns, Howell, Mich.

ON account of poor health will sell my elevator at Gibbon, Neb., on Union Pacific Ry., capacity, 20,000 bu.; steam power; 2 stands of elevators; cleaner; feed mill; large hopper scale; sacking room; elevator arranged for cleaning and sacking in transit. Price, \$4,500; will take part in land. Address H. R. Sheldon, Gibbon, Neb.

FOR RENT.

ELEVATOR and warehouse for rent, the Olympia, on Penna. R. R. in Valparaiso; possession June 30; only responsible party wanted. Write to owner, Chas. H. Lindner, Valparaiso, Ind.

ELEVATORS WANTED.

WANT to rent elevator at good point. M. P. Shrope, Stillman Valley, Ill.

WANT to rent or buy country elevator in good location. Box 69, German, O.

WANTED to buy or rent, three or four grain houses at good points near Airlie, Minn. Walter Parks.

ELEVATOR wanted at good station in Ia. or Ill. Buyer, Box 7, care Grain Dealers Journal, 10 Pacific av.

WOULD RENT elevator at good grain point, northwest Iowa preferred. Address C. T. Sidwell, Florence, Ia.

WANTED, to lease or buy 1 or more elevators. G. B., Box 8, care Grain Dealers Journal, 10 Pacific Av., Chicago.

WANTED to buy, elevator at good grain station, northern Illinois. C. D. Dillin, 6414 Woodlawn Av., Chicago

LEASE of good grain elevator wanted at once; with privilege of purchase in one year. Address A. C. Kaiser, 1207 Locust Street, Des Moines, Ia.

WANT TO BUY a grain business in a good grain-raising district. Address B., Box 8, care Grain Dealers Journal, 10 Pacific Av., Chicago, Ill.

NICE residence in a good Minnesota town to exchange for an elevator in a desirable locality. C. S. Tredway, care Exchange Grain Co., Minneapolis, Minn.

CASH buyer wants elevator in good repair. N. W. Ia. preferred, with gasoline power and good trade. Address L. I., box 8, care Grain Dealers Journal, 10 Pacific Av., Chicago.

ELEVATORS WANTED. If you wish to sell or lease your elevator, list same with us. It costs nothing unless sale is made, and then only \$1 for each sale resulting. Elevator Exchange, 94 Traders Bldg., Chicago, Ill.

ENGINES WANTED.

ENGINE, 8 to 10-h. p.; must be in good order and cheap; prefer upright. Geo. M. Stauffer, Gladbrook, Ia.

GASOLINE ENGINES wanted, or will exchange. All makes and sizes. McDonald, 60 S. Canal street, Chicago.

NEW and second-hand engines, boilers, pumps and grain elevator machinery and supplies bought and sold. Write me your wants; I can save you money. W. M. Goggin, Board of Trade, Chicago.

FOR SALE-MISCELLANEOUS.

PULLEYS. Our entire stock wood split pulleys slightly damaged by water, at a bargain, all sizes. W. A. Jones Foundry & Machine Co., 59 S. Jefferson, Chicago.

MALT house and brewery for sale; capacity of malt house, 175,000 bu. per year; of brewery, 20 barrels; in Dayton, Columbia Co., Wash., a town of 3,500 population. For particulars write Jacob Weinhard, Dayton, Wash.

WANTED.

WANTED, your grain elevator plans to make. Good work. Write for prices. Austin B. Hayes, Indianapolis, Ind.

POSITION wanted as manager of country station or in terminal elevator. L. A. Lewellyn, Tremont House, Chicago.

ELEVATORS wanted everywhere by readers of the Grain Dealers Journal. Now is the time to advertise and get a good price for yours.

PRACTICAL MAN wanted, familiar with the manufacture of grain handling machinery and transmission, capable of laying out work from drawings. Address Machinist, Box 2, care Grain Dealers Journal, 10 Pacific Ave., Chicago.

ELEVATOR SITES.

TEN ELEVATORS wanted on the Findlay, Ft. Wayne & Western Ry. Good locations. Communicate with Frank Finney, G. F. A., Findlay, Ohio.

**FINE
LOCATIONS**
FOR
ELEVATORS, FACTORIES,
AND OTHER INDUSTRIES ON
The Belt Railway of Chicago.
COMPETITIVE RATES.
AMPLE CAR SUPPLY.
ADDRESS B. THOMAS, PRES. & GEN. MGR.
DEARBORN STATION, CHICAGO.

LOCATIONS FOR ELEVATORS

in Illinois, Iowa and
Minnesota on the line of the

Chicago Great Western Ry.

Opportunities for men with capital to invest in paying modern elevators. No section of the country is so free from crop failures. Write for maps and full information.

W. J. REED,
Industrial Agt., C. G. W. Ry.
604 Endicott Bldg.
St. Paul, Minn.

MACHINES FOR SALE.

CORNWALL CORN cleaner No. 2, used 3 months, \$75, f. o. b. Bloomington. B. S. Constant Co., Bloomington, Ill.

GRAIN SEPARATORS for sale cheap. Make perfect separation and seed grain. Dealers handling them make \$60 weekly. Hirsch Bros., Milwaukee, Wis.

HOWES No. 5 oat clipper and Howes dustless separator, both for \$250 fob. Chicago; capacity, 500 bu. per hour. Guaranteed to be in first-class condition. Z., Box 2, care Grain Dealers Journal, 10 Pacific Av., Chicago, Ill.

FEED ROLLS, SCALES.—3 three-high feed rolls; 3 600-bu. and 3 60-bu. Fairbanks hopper scales at a bargain; receiving and milling separator at your own price. S. G. Neidhart, 110 Fifth Av. S., Minneapolis, Minn.

NEW and second hand gasoline engines, roller feed mills, steam engines, boilers, shafting, pulleys, belting, flour mill and elevator furnishings at your own price. We corrugate rolls on best machines at large discount. Get our prices and save money. Jackson Corn & Feed Mill Co., Minneapolis, Minn.

GRAIN FOR SALE AND WANTED.

MILLET, hungarian and seed corn for sale. M. B. Sherwood, Brashear, Mo.

DAMAGED grain wanted. W. B. Gallagher, 72 Pearl St., Buffalo, N. Y.

CHOICE lots of seed or grain can be sold at premium by advertising here. Try it.

SEEDS OR GRAIN of special grade or variety can be obtained by advertising your want here.

NEW, home grown timothy, clover and millet seed for sale. J. R. Smith & Son, Lamoni, Iowa.

WANTED to correspond with shippers of mixed oats in Ohio, Ind., and Ill. We want oats for our interior trade. Seeds Grain Co., Columbus, O.

WANTED—550 bu. yellow corn and 300 bu. good white oats, originating on Pan Handle, Cin. North., or C. H. & D. E. A. Grubbs Grain Co., Greenville, O.

ENGINES FOR SALE.

ENGINE, 10-h. p., and boiler 20-h. p.; all in good repair; sold cheap if sold soon. U. S. Fry, Van Horne, Ia.

GAS ENGINE, best condition, Fairbanks 20-h. p., a bargain. E. L. Gates & Co., 68 S. Canal St., Chicago.

GASOLINE engine for sale. Lewis make; too large for business. Address Marfield Elevator Co., Sutherland, Ia.

GAS engine for sale cheap; 3-h. p. Charter. J. S. B., Box 8, care Grain Dealers Journal, 10 Pacific Av., Chicago.

GAS and gasoline engines bought, sold and exchanged. We sell ½ to 50-h. p. Fully guaranteed. Gas Engine Repair Co., 43 S. Canal St., Chicago.

GAS or gasoline engines bot and sold; 4-h. p., \$125; 7 h. p., \$175; 10 h. p., \$250; 25 h. p., \$450; 40 h. p., \$650; second hand; in perfect order. Colborne Mfg. Co., 35 E. Indiana St., Chicago.

GOOD Frost engine 20 and boiler 30 h. p., at \$100 less than cost. Bot for new elevator; but owing to hitch new engine was put in, this being inaccessible. Seafeld Grain Co., Wolcott, Ind.

STEAM outfit for sale; complete; good as new; price, \$300 cash; 20-h. p. engine and boiler, including firebrick and common brick furnace, in use only 4 months; engine and boiler guaranteed to be in good order. James Sheeran, Chapman, Kan.

ENGINE, 9 h. p.; boiler, 20 h. p.; Skinner engine and firebox boiler, complete, 12 h. p.; 2 New Era gasoline, 35 h. p.; 2 rebuilt Otto gasoline, poppet valve, 6 h. p.; 1 rebuilt Otto, 15 h. p. A complete line of new gas and gasoline engines. Also full line of belting and supplies. Write for prices and catalog. C. P. & J. Lauson, 151 W. Water St., Milwaukee, Wis.

MACHINES WANTED.

IF YOU do not find what you want advertise for it here.

MACHINES not in use can be sold by advertising. Get your money out of them; get the machines out of your way; sell them and reduce your fire risk.

**GRAIN
DEALERS JOURNAL**
10 PACIFIC AVE., CHICAGO, ILL.

190.

Gentlemen:—Enclosed find One (\$1.00)
Dollar for which please send the Grain
Dealers Journal on the 10th and 25th of
each month for one year to

Name _____

Post Office _____

State _____

BUYERS OF DAMAGED GRAIN.

**DAMAGED GRAIN
WANTED.**

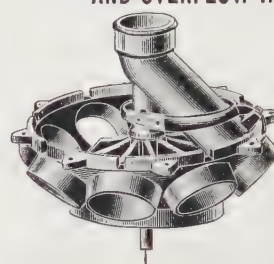
I buy damaged grain of all kinds. Write or wire me.

WM. B. GALLAGHER,
72 Pearl Street, - - BUFFALO, N. Y.**East Side Milling Co.**
TOLEDO, OHIO.**Buyers of Salvage Grain**Also all grades of off-grade Grain of all
kinds, Screenings and low-grade Flour.
Send samples and ask for bids.**George Green Lumber Co.**

22d and Loomis Sts., CHICAGO.

Send in Your Bill for Estimate.**DOCKAGE
TABLES...**Show the amount of dockage at 1½ lbs.,
2 lbs., 2½ lbs., 3 lbs., 3½ lbs., 4 lbs. and 5 lbs.
per bushel for any sized wagon load of wheat
containing from 2 to 600 bushels. This table
is constructed to conform to the usual cus-
tom of dropping all odd pounds in the weigh-
ing of wheat. It is printed on strong card-
board from heavy faced type.
Price, 10 cents each.

FOR SALE BY

GRAIN DEALERS COMPANY,
10 Pacific Ave., CHICAGO.**ANOTHER BARGAIN LIST**SPROCKET CHAIN,
ELEVATOR CUPS,
WOOD SPLIT PULLEYS,
All Sizes For Sale.**DALLAS MILL & GIN SUPPLY CO.**
169 ELM STREET, DALLAS, TEX.**Hall Grain Distributor
AND OVERFLOW INDICATOR.***Absolutely
Prevents...*Mixing grain
during process
of distribution
between turn
spout and bins.**Automatically
Notifies Oper-
ator when Bin
is full.***Some of the line companies using our
distributors in large numbers:*Nye & Schneider Co.
Trans-Mississippi Grain Co.
Crowell Lumber & Grain Co.
Uplike Grain Co.
St. Anthony & Dakota Elevator Co.
Minnesota Elevator Co.
Inter-State Elevator Co.Send for
booklet to **Hall Distributor Co.,**

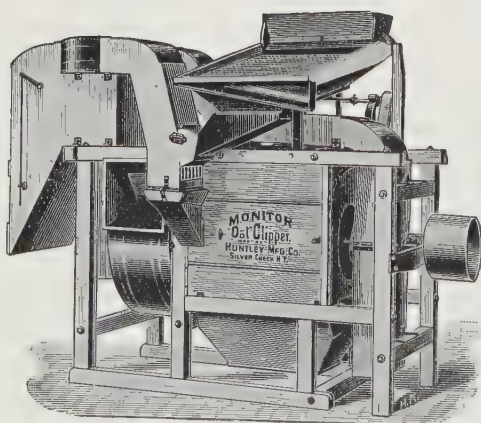
222 First National Bank Bldg., OMAHA, NEB.

**Conveyor and Elevator
BELTS**WE HAVE TAKEN SOME OF THE
LARGEST CONTRACTS IN
THE COUNTRY.

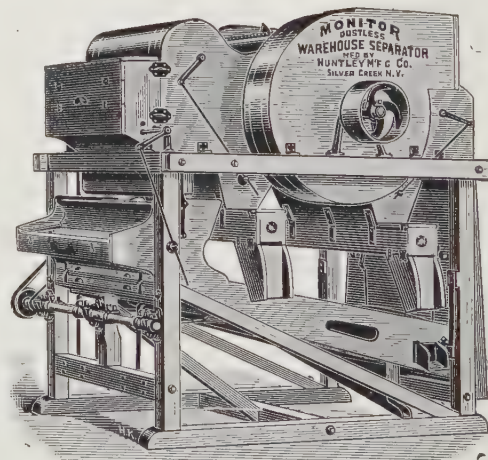
WRITE FOR PRICES . . .

GUTTA PERCHA & RUBBER MFG. CO. 96 & 98 Lake St., Chicago.**MONITOR MACHINES** STANDARD
THE WORLD OVER.Barley, Corn, Flax
Cleaners.**OAT CLIPPERS,
GRAIN CLEANERS.****High Grade ————— Superior Construction**

Write for Full Information, Circulars, Etc.

**HUNTLEY
MFG. CO.,**

Sole Manufacturers,

SILVER CREEK, N. Y.

GRAIN DEALERS JOURNAL

Published on the 10th and 25th of each month

BY THE

GRAIN DEALERS COMPANY.

10 PACIFIC AVE., CHICAGO, ILL.

CHARLES S. CLARK, Editor.
J. CARVER STRONG, Advertising Representative.
NORMAN H. CAMP, Attorney for the Company.

Price, Five Cents a Copy: One Dollar Per Year.
Foreign Subscriptions, \$1.50 per year.

Letters on subjects of interest to those engaged in the grain trade, and news items are always welcome.

CHICAGO, ILL., APRIL 25, 1900.

Crop experts have been lying hard lately.

Friendly competitors favor profits and get them.

Protect your purchases by taking written contracts

Upon the local divisions depend the success of all large associations.

The prophets have not yet sighted a clean bill of lading and the new century is near at hand.

The speculator's song of What Can the Acreage Be? will soon be discarded for What Shall the Harvest Be?

The prompt payment of dues is one of the encouragements necessary to the success of a grain dealers association.

The elevator man who charges one cent per bushel each month for storing grain can afford to continue storing.

Corn stored in a roofless crib can not be expected to grade No. 2. Ofttimes a little roof repairing would bring a profit of 100 per cent.

The railroads seem more and more disposed to assist the different organizations of grain shippers. This is surely an encouraging sign and will be appreciated by the trade.

Many country elevator men are making expenses now days selling seed grain to the patrons. Their profit on the business will come in next fall in the form of more grain and of better quality.

Tell your congressman your trouble in sticking internal revenue stamps to all your grain tickets. A reduction will soon be made in the war taxes and those who press hardest for relief will get it.

When your Congressman comes home and requests you to vote for Tom, Dick or Harry, don't lose an opportunity to impress upon him your desire to have the internal revenue tax taken off ALL grain tickets.

Dealers who trade in Chicago shud not overlook the fact that after the first of May all trades for future delivery shall provide for delivery within a time not extending beyond the last day of the second month next following that in which the trade is made.

The regular dealers who fear to hold a meeting in their county, need to inject a lot of stiffening into their back bones. Then get together and organize like other tradesmen do. They should not overlook the fact that their interests can be advanced without antagonizing farmers.

Members of the different associations should keep in mind that poorly attended meetings are very discouraging to the officers and members who do attend. Your association needs your personal attendance, your counsel and active support. Go to the meetings and help it along.

The receiver who is contemptible enuf to have lies published in country newspapers for the purpose of convincing grain growers that the regular dealer is robbing them, while the scoopman is befriending and protecting them, deserves to have his action made known to every regular shipper.

It is exceedingly unfortunate that any association or the officers of any organization shud have the ill will or opposition of the railroads of the territory covered by their association. The interests of the railroads and shippers are so interdependent that it would seem to the interests of both to work in harmony.

No association remedies a trouble until its officers learn of its existence. When discord first arises in your district tell your trouble to your secretary. Then there will be some chance of your getting relief, while if you indulge only in general kicks against the inefficiency of association work you will not merit relief.

The grain shipper who conducts his business on the guess plan, i. e. guesses on grades, weights and condition of car which he loads, seldom has to guess at close of year whether he made a loss or a profit. The dealer who is determined to get a profit out of the business makes sure of what he is doing in every transaction.

Whether the Cullom Bill is enacted into a law or not, the grain shippers of the country shud keep working persistently for steady, uniform and equitable freight rates on grain, for with such an inauguration would come a greater measure of success for all of them, and the railroads need make no smaller dividends by reason of such change.

The country buyer who runs his local market up to two cents over the highest card bid and then brags that he is not

letting the other fellow get any grain is sorely in need of a conservator. If he would run the market up to two cents and then let his competitor have the corn, the method of his madness would be duly recognized and credited.

It is to be regretted that Kansas City is cursed with a few dealers who see no good in any organization of grain dealers, in fact the word association serves to rile them more than a red flag ever stirred a mad bull. They are so blinded by their unreasonable prejudice that they are unable to discern that in all their wild antics they are goring their own bread box.

The grain shippers who continue to ship to a commission man or track buyer, even after the secretary of his association has notified him that the receiver is soliciting or handling the grain of irregular dealers, should consult an optician and have his view of trade matters cleared. His nearsightedness is very trying to the most patient and tolerant members of the trade.

Once again it is declared that the Chicago Board of Trade will institute war against the bucket shops of the city and indirectly will attempt to close all of them by shutting off quotations. Success to the Board. The problem is indeed a trying one, and one which merits the attention of every member of the trade, inasmuch as the bucket shop influence is against the interest of every cash dealer.

Elevator men of Nebraska have been caused much grief by the inferior quality of the gasoline supplied them during the last winter. It has contained so much water that it would freeze. Pipes have been filled with ice, the pump could not supply gasoline and the engines have generally been credited with the trouble. The Standard Oil Co. has been so poor it could not afford to furnish the pure article at the advanced price.

The grain buyer who pays wheat prices for screenings and dirt which the farmer brings to him can not expect to get a living out of the business. Such careless methods don't beget profits. The wheat buyers who have put in a separator and cleaned the farmers grain before weighing, have been amazed at the saving effected. A good separator will soon pay for itself and the wheat growers will be satisfied to carry the screenings back to their chickens.

The misfortunes of the Nebraska elevator man whose elevator filled with wheat was burned three days after he permitted \$6,000 insurance to expire, shud serve to make elevator men in all parts of the country more careful in the matter of keeping their property protected against loss by fire. By protected we mean not only insured, but insured in a company which is known to be reliable. The ex-

perience of some dealers during recent months with cheap insurance is indeed distressing.

Mutual insurance has proved so successful with millers and grain dealers of Iowa that Illinois dealers are becoming much interested in a proposition to establish a mutual fire insurance company, which will confine its business to grain elevators. There is no reason why a company, conservatively managed by one who understands or will make a special study of elevator insurance problems should not be very successful and furnish insurance cheaper than the stock companies do now.

The sudden increase in the receipts of No. 2 corn at Chicago last month is readily explained by the fact that corn was attracted from Kansas and Nebraska by the rate cutting indulged in by lines west of the Missouri River. The corn gathered in these states last year was very dry and of superior quality. Rates were generally restored April 10, but one line extended the rate for 30 days, so the corn will continue to arrive, but in less quantity. However, the receipts of No. 2 from other districts will increase henceforth.

The Crocker Elevator Co., of Cisco and Argenta, Ill., was victorious in a recent landlord and tenant case. John Dixon, tenant, failed to pay his rent, and Mrs. Drake, landlord, went to the agents of the company at both places and warned them not to buy or to pay for any corn delivered by him. They did, nevertheless. Suit was brot. The county court dismissed the case for want of jurisdiction. The landlord has taken the case to the circuit court. The landowner should be required to collect his own rents, and not be permitted to force the grain dealer to do it for him.

At an impromptu gathering of the traveling representatives of commission houses recently, some of the old members gave voice to somewhat heart-rending accounts of experiences that they had had in calling upon country grain dealers. It would seem that it would be greatly to the pecuniary advantage of the shippers to give the glad hand to the traveling "Knights of the Grip." He often brings much desired information and can often give pointers which a shipper could not obtain in any other way. In every case the dealers will find it to their profit to run out the members of the keg club for an airing and give a hearing to the traveling man who honors them with a call.

Two Illinois grain dealers recently came to grief by reason of giving free storage to farmers, shipping out the grain and paying the farmers the market price whenever they desired to call for their money. No bank, no combination of capitalists could ever withstand such a foolish practice. The dealer virtually gives

the farmers puts to the amount of grain stored. True, he gets the use of the money until the farmer consummates the sale, but seldom can he use the money in a way that will net him 30 per cent. The recent rise in the price of corn was too much for these free storers and some of them have gone to the wall. Their fate is to be regretted, but it is too late to apply a remedy.

The bread eaters of the world will no doubt be grieved to learn that the executive agents of the Farmers' Alliance and Industrial Union are again making a bold plan to limit the wheat acreage of the world and force the price up to a dollar a bushel. The minute this is attempted the public can depend upon the independent farmer to be far seeing enuf to quietly increase his acreage and force the price down to a half dollar. If the managers of the different farmers' associations are anxious to show the wheat-eating world how very silly they can prove themselves to be, they shud carry out this plan with a zeal that generally absorbs them in their alliance work. The attempt wud surely work their downfall.

New York grain dealers who require any farther explanation of why their export grain trade is slipping away from them should read and ponder over the methods in vogue at New Orleans, as described in last number. The practice in force at the Crescent City are not designed for the purpose of getting as much out of the trade as possible, but with the direct aim of attracting as many buyers and shippers as possible. The principal elevators at New Orleans are public elevators, owned and operated by the railroad companys, and horrible to relate, export grain is stored free for 15 days and charged only $\frac{1}{4}$ cent for each succeeding 10 days. New York and Buffalo elevator men were too confident of their prey. They wanted too much. It is another case of killing the goose which laid the golden egg.

The man who once owned an elevator at a station and sold it with the explicit promise that he would quit the grain business is not entitled to be considered a grain dealer at that station thereafter, even tho he is able to borrow a scoop-shovel and steal a gunny sack. Being regular once does not give him a life-time claim to such classification, in fact he could be both the same week, or even day, if he is treacherous enuf to work it right. There are also some dealers who are regular at one or two stations who seem to think that their regularity there entitles them to be classed regular the world over, and they seek to conduct a scoop-shovel business at adjoining stations in defiance of the rights of their brother dealers who have elevators there. Such selfishness is not to be tolerated

in any dealer, whether he be a member of an organization or not. It is not fair.

Another association of grain dealers has been started in Indiana, and undaunted by the calamity which has befallen Ohio associations which have taken the field against the sack loaning abuses, the Hoosiers have organized with this as a prime purpose in view. Success to them. May none of them be even tempted to loan a bag after the date upon which they have agreed to stop, and may the dealers of adjoining territory have the good judgment to help them maintain their agreement. Several Ohio associations which have been started with this purpose in view have been put to flight by one or two stubborn, nearsighted dealers, who desired to pose as a friend of the sack borrowers.

ASKED AND ANSWERED

ADDRESS OF CORN OIL MANUFACTURERS.

Grain Dealers Journal: We desire to communicate with the manufacturers of corn oil, and would be pleased to receive the names and addresses of those engaged in the business. Allen Anti-Rust Mfg. Co., Cincinnati, O. (Ans. Corn oil is made by the Glucose Sugar Refining Co., Chicago.)

HOW TO PAY GRAIN TICKETS WITHOUT REVENUE STAMP.

Grain Dealers Journal: I wish you would please state how I can arrange to have grain tickets paid at bank without a revenue stamp. I have noticed in the Journal something about this matter, but have not yet seen how it can be done. Raymond P. Lipe, Toledo, O.

Grain Dealers Journal: How can we cash grain tickets without stamping, in a bank or store? Is it necessary to keep our money in a box by itself, or can a banker cash them without keeping our money separate from his? Hopkins & Co., Akron, Ia.

(The grain tickets must not be orders for the payment of money and must be payable only to the party who sells the grain and not negotiable or transferable. The grain dealer's money must be kept separate from other funds in a box or otherwise.)

The recently issued annual report of the American Linseed Co. shows that the trust transacted a gross business during its first fiscal year of \$14,000,000. Its business during the four months ending with April 1 was at the rate of \$1,500,000 per month. The company does over 80 per cent of the business in the United States.

Wheat receipts at 5 winter and 4 spring grain markets for the 42 weeks ending with April 16, as compiled by the Cincinnati Price Current, have been, in bushels, 195,246,000; against 237,518,000 and 199,284,000 for the corresponding periods of 1898-9 and 1897-8. For the week receipts were 2,794,000 bushels; against 3,531,000 for the previous week, and 2,064,000 one year ago.

LETTERS FROM THE TRADE

CROP CONDITIONS IN CENTRAL ILLINOIS.

Grain Dealers Journal: In this region we are in the midst of an early spring, with a very bright outlook for crops of all kinds. The weather is very seasonable, vegetation coming on nicely. An unusually large acreage of oats has been planted under very auspicious conditions, and most of the oats are already above ground. Early planting here always presages a good crop.

Wheat is looking simply magnificent, the prospects being the finest in six years. The ground is not too wet; and moderately dry weather indicates good yield and good quality, always, here.

Farmers are now plowing for corn, of which we expect a large acreage to be planted this spring. This is the hub of the corn growing region of the world, right here in central Illinois. No other locality can down us. We had an excellent crop of corn last year, while many localities had poor crops. Meadows are looking well, while blue grass is affording good pasture now. M. R. Thayer, Dawson, Ill.

ABUSING IOWA DEALERS FOR ASKING RELIEF.

Grain Dealers Journal: I enclose herewith a clipping from the Iowa Homestead of Des Moines under date of March 29, 1900. It was signed anonymously "Agricola" and is as follows:

I notice that there is a proposed law before the Iowa legislature, by force of which a man who rents his farm must have a written document to that effect and have it recorded, otherwise he will not have a first lien on the crop for his rent. It is not a party question, but it is plainly an effort to protect the grain buyer, regardless of the interest of the owner of the land.

Now I submit whether the farmer should watch for a dishonest tenant, or the man who buys the grain, who often has an old claim which he wants to secure. I don't care to go further into its rascally features, but anybody can see that its effect would be to add expense to the farmer in having the instruments made and recorded, loss of time going to the county seat, and besides it is a vile innuendo against the honesty of the tenant farmer, who has enough burdens without these additions. If a grain dealer is too lazy to look up the standing of any of his customers it is my opinion that he had better go out of the business into something that don't require brains or labor.

I would like very much to see a reply in the Grain Dealers Journal. D. K. Unsicker, Wright, Ia.

(To start with, the bill was not designed to protect the grain buyers of the state, but to relieve them of the burden of protecting lazy landlords from losses by tenants' non-payment of rent. Those who maintain that the grain buyers should guarantee the payment of rent for ground used for growing can not present one plausible reason for their claim. It would be just as sensible for the landlord who leases land to the grain shipper for elevator and cribs to insist upon the track buyers in terminal markets paying the rent months after they had settled for the grain. The ground leased to the shipper is just as essential to the success of his business as that leased to the grain grower is necessary for farming. The trouble is the grain dealers have submitted to the imposition so long, that the landlords now seem to think that the one inherent duty of the country grain buyer is to collect rents.

Agricola seems desirous of posing as the farmers' friend and assumes that all landlords are farmers, which is far from

the facts. He may have been a farmer at one time, but when he reached the dignity of a landlord he ceased to farm.

Since broad-minded Agricola submits the question—Should the farmer (landlord) watch for a dishonest tenant, or the man who buys the grain? we reply the landlord by all means, as he is the one who extends the credit and the money for rent is due him, not the grain dealer. By no course of reasoning could the grain dealer be made the tenant's creditor for the rent, and the landlord would raise a howl if it were attempted, yet the present law seeks to make the grain buyer guarantee payment of the rent and Agricola tries mightily to justify the law. He says the bill has "rascally features" and no doubt it gave him the nightmare for nearly a minute.

He brands it as "a vile innuendo against the honesty of the tenant farmer." How Agricola must rage every time a new criminal law is enacted or any punishment is provided for wrong doers. How it must gall him to know that the lawmakers have suspected he would not always do right by his fellow men and have provided punishment for every crime he may commit. If he were a tenant, no doubt he would shoot every grain buyer who asked him, Have you paid your rent?

The charge that the grain dealers seek to have the old law amended because they are "too lazy to look up the standing of

THE BIRD SPECIAL ELEVATOR AND RECEIVING SEPARATOR.

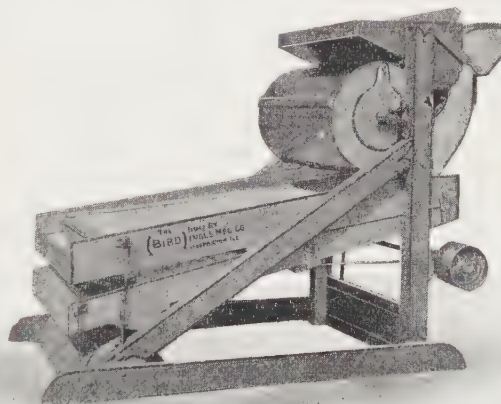
The accompanying cut shows the Bird Special Elevator and Receiving Separator. This machine embodies some of the latest and most improved ideas in construction and design. It is intended especially for operators of elevators who have not much space to spare and wish to get the largest capacities possible without taking up too much room with machinery. This machine is said to be a good all around machine and separates corn from oats very rapidly and satisfactorily.

One of the most important features of the machine is the specially arranged blast. It is regularly an open blast machine, but with the aid of a dust disposing attachment, can be made entirely dustless while it is in operation.

The shoes carrying the screens are adjusted to suit the exact conditions of the grain to be handled.

The hopper is low down and arranged so that all grain in passing from it comes in contact with the blast before reaching the screens, thus ridding it of all particles which are apt to clog and fill up the screens. The screens are not hindered in their work by straws and other dirt, and the capacity of the machine is greatly increased, while the work is of a much higher quality.

The machine is well built of the best material, and the workmanship is perfect



The Bird Special Elevator and Receiving Separator.

customers," shows clearly how very little thought Agricola has given to the subject he attempts to discuss. Abusing the other fellow will not convict him with thinking persons. If Agricola can find any logical reasons against the proposed amendment of the law he should bring them forth.)

Exports of breadstuffs for the nine months ending with April 1, as reported by O. P. Austin, chief of the Bureau of Statistics, were 76,245,000 bushels of wheat, 159,499,000 bushels of corn, 32,584,000 bushels of oats, 1,642,000 bushels of rye, and 20,218,000 bushels of barley; against wheat, 117,146,000 bushels; corn, 127,600,000 bushels; oats, 20,085,000 bushels; rye, 8,710,000 bushels, and barley, 1,808,000 bushels, for the corresponding period of 1898-9. The total value of all breadstuffs exported during the nine months was \$190,000,000, against \$209,000,000 during the corresponding period ending April 1, 1899.

in every detail. The working parts are low and in plain view. Each machine is equipped with tight and loose pulleys, which are placed on either side as desired. A very small amount of power is required to operate it. The triangular construction of the frame prevents any jar and overcomes the strain.

The Bird Special is manufactured by the Ingle Mfg. Co., of Hoopeston, Ill.

April—This is one of the peculiarly dangerous months in which to speculate in wheat. The other dangerous months are October, July, January, September, May, November, March, June, December, August and February.

It is said that President Warren of the Chicago Board of Trade was informed by Statistician Hyde of the Department of Agriculture that he made an arbitrary addition of 10 per cent to the condition of wheat as reported by farmers to overcome the tendency of growers to underestimate.

MANSFIELD AND DELANEY'S ELEVATOR, NIAN TIC, ILL.

In building a country elevator much care must be exercised in planning it, so it will handle the principal grain that is grown in the immediate territory to the best advantage. The accompanying cuts show the general arrangement of Mansfield & Delaney's new elevator at Niantic, Ill., which is located in a district where corn is the main crop. The elevator was built especially for handling corn, and is so arranged as to facilitate storing, shelling, cleaning and shipping corn.

The elevator proper is 30x36 feet; 30 feet high to top of the bins and 50 feet to top of cupola, with a bin capacity of 15,000 bushels. At one side is located the cribs, which extend along the railroad track and form a covered shed 24x80 feet, by 15 feet high. The cribs have a storage capacity of 12,000 bushels, making the entire capacity of the elevator 27,000 bushels. A driveway extends thru the center of the crib, about seven feet from the ground, and is continued thru the eleva-

tor. Grain from either elevator head can be spouted to any of the bins or to the hopper scale. There is but one loading spout and it has direct connection with the hopper scale.

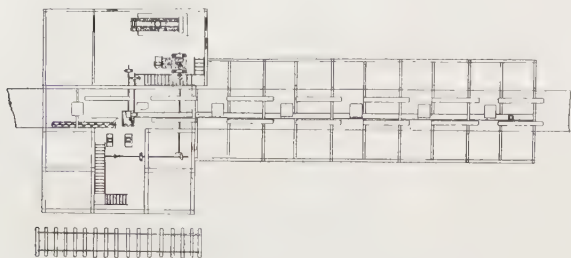
The elevator is well arranged to handle grain quickly and economically. The plans, specifications and machinery were furnished by the Union Iron Works, of Decatur, Ill.

SIMS BROS.' PATENT ADJUSTABLE ELEVATOR.

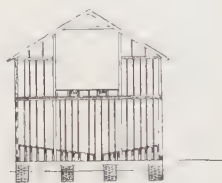
Twenty-five years ago the wagon dump was unknown; today no country elevator is complete without one. In fact, a man could not afford to attempt to run an elevator in a coarse grain country without a dump. They are much cheaper than scoop shovels and back oil. The elevator with the dump is always given, and always will be given, the preference by farmers. One other great advantage of having a wagon dump is that the farmers' wagons can be unloaded much more rapidly.

dump has been so constructed that it will adjust itself to low, medium or high-wheel wagons. The principal feature which the patent covers, is the splitting of the rear end of each sill. This splitting of the sill causes any wagon to equalize itself to the same pitch, regardless of the size of the wheels, while being dumped. No part of the wagon at any time strikes the dump floor, hence there is no chance for any part of it to get broken. There is also no chance for the rear wheels to wedge in between the rear end of the dump frame and sill.

A wagon can be drawn from this dump very easily. There is, of course, more weight on the rear wheels of the wagon when it is in the dump than on the front wheels. Therefore, when the team is started forward the rear wheels move



Ground Plan Mansfield & Delaney's Elevator, Niantic, Ill.



End Elevation Mansfield & Delaney's Elevator, Niantic, Ill.

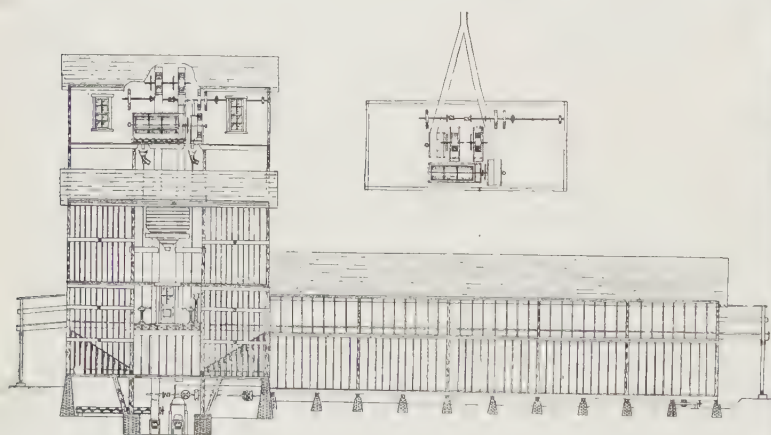
tor. It contains seven dumps, five of which are placed in the crib portion, and two in the elevator. There are two stands of elevators, one a 13-inch and the other 14-inch. The grain is carried to the two elevator stands from the receiving sinks under the dumps by spiral conveyors. Corn can be conveyed direct to a No. 2 Western Sheller from the receiving sinks, shelled, elevated to a No. 1½ Western corn cleaner, which is placed in the cupola, cleaned and then spouted to storage bins. A 500-bushel hopper scale is lo-

The illustration presented herewith shows Sims Bros.' Patent Adjustable Elevator Dump. The inventors of this dump in placing it on the market have kept in mind all the good qualities of other dumps, and constructed their dump so that its attachments can readily be placed on all sill dumps which are now in use, without making them over or going to the expense of putting in new sills.

down the incline of this section of the sills, causing the front wheels to move forward on the dump sills until the wagon nearly raises the dump by its own weight.

The dump is manufactured by Sims Bros., Paris, Ill.

Consul-General Mason at Berlin, in an article on Germany's future food supply, takes the view that the government will



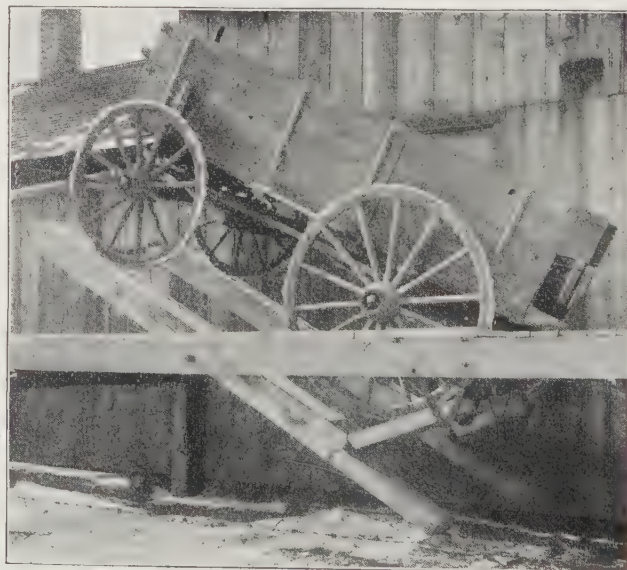
Side Elevation Mansfield & Delaney's Elevator, Niantic, Ill.

cated on the loading side of the elevator, the scale beam being located on the working floor, from which the elevators and spouts are controlled.

The engine and cob rooms are located in a leanto on the opposite side of the elevator from the railroad tracks. The engine and boiler room is 18x26 feet. A 20-h. p. Atlas engine and 30 h. p. boiler furnish power. The cob room is 12x18 feet.

The object sought in dumping a load of grain is to secure sufficient pitch to empty the wagon bed. A dump to do satisfactory work must of necessity give the same pitch to all wagons, and this

find it difficult to encourage agriculture sufficiently to produce enough for home demand. In the future Germany must continue to import large quantities of foodstuffs.



High Wheel Wagon on Adjustable Dump.

HESS GRAIN DRIER AT IOWA ELEVATOR CHICAGO.

The improvements in mechanical devices for drying grain, which have been made during recent years, have given a marked impetus to the drying of grain, and today grain which contains too much moisture to grade can readily be put into a marketable condition by running it thru a drier. Most of the prominent lake ports now have driers, so that when a cargo becomes wet or a vessel sinks, the cargo is no longer a complete loss. If it is impossible to get the vessel to an elevator equipped with a drier, the grain is sometimes pumped from the hold of the vessel, carried to an elevator and run thru drier and put in condition. The only outlet for grain damaged or of very inferior quality before the day of driers was as a feed-stuff for distillery stock. During the last year many new driers have been patented. However, less than half those patented have been placed upon the market.

A number of Hess Driers have been erected in Chicago, but the one recently completed at the Iowa Elevator, which has been converted into a cleaning house, includes all the latest and best improvements of this very successful system. The drying plant is encased in a brick structure 29 x 19 by 58 feet high. It does not adjoin the elevator, but is six feet from it. No wood was used in its construction, and it has a solid brick wall on the side next to elevator. The materials used include 120,000 brick, 45 tons of metal, and 18,000 bolts, hence it is easy to understand why the Chicago Fire Insurance Underwriters, after carefully examining the drier, permitted its use without charge.

In the first story is a 100 h. p. Automatic Atlas Engine, which drives the four legs and four sets of blowers so all the driers can be operated at night or any other time independent of the elevator's engines.

The drier house might properly be divided into five divisions or stories, an 800 bushel garner being at the top; below it is a heating chamber having a capacity of 500 bushels; next is the cooling chamber with a capacity of 500 bushels, and last is a delivery hopper of 500 bushels capacity.

Back of the heating chamber are two air heaters, thru which the air is blown on its way to hot-air chamber. Each of these heaters contains 4,200 feet of one-inch pipe in a box coil, and has valves so placed that the operator can easily control the temperature of the air taken from them thru the grain. The exhaust from the engine is piped to the steam coils in the heater.

The blowers which force the air thru the pipes are placed directly under the coils in another compartment. These blowers are 90 ins. in diameter and deliver 3,500 cubic feet of air per minute, with a pressure of $\frac{1}{2}$ ounce, which requires only from 10 to 12 horse power.

The cooling chamber below, which is a continuance of the shelving of the hot-air chamber, has four cooling compartments, the air being drawn thru the columns of grain from the outside into an inner compartment, thru the blowers, and the box coils to the hot-air chamber. Three valves are provided for each compartment to enable the operator to drop the grain to the cooling chamber, half way, or thru the cooling chamber to the hopper below.

The columns of grain in the hot-air chamber average $4\frac{1}{2}$ inches in thickness,

while in the cooling chamber they average but $3\frac{1}{2}$ inches.

The shelving is so arranged that the drier is self-cleaning. No grain can lodge or pack in the drier, it matters not how much moisture it contains. The hopper and stairways are of steel. The grain is removed from the lower floor by a 12-inch screw conveyor enclosed in a steel conveyor box.

The drier has a capacity of about one car load an hour and is constructed with an idea of adding three other drier houses of the same style and build. The profits made in drying during recent years seem to warrant the expectation that the drier house will soon be enlarged.

COBS.

The Baltimore & Ohio will expend \$3,000,000 on improvements to its eastern lines.

The Southeastern & Mississippi Valley Traffic Association has restored the 3-cent reduction of grain rates made Feb. 26.

The Little Rock & Northern is grading 287 miles of road between Springfield, Mo., and Little Rock, Ark.

The C. M. & St. P. is about to let contracts for its extension from Fox Lake, Ill., to Janesville, Wis.

Surveys of the Indianapolis Southern have been completed to Rockport, Ind., 110 miles.



Hess Grain Drier at Iowa Elevator, Chicago.

The steel steamer Jesse Spalding lead the grain fleet out of Chicago harbor on the morning of April 17, with a cargo of corn for Detroit. The boat passed thru the Straits of Mackinac on the evening of the next day. The score of boats which wintered at Chicago contained over 5,000,000 bushels of corn, and 500,000 bushels of wheat and oats. In addition several large cargoes went out of the Calumet River at South Chicago.

To complete a line between Des Moines and St. Paul it is said the C. M. & St. P. will build a line between Boone, Ia., and either Lehigh or Clarion.

The New York Central Railroad has offered to transport the grain of western shippers free of charge for export if the state will pay over to the company the annual interest on the \$60,000,000 which it is proposed to expend on the proposed barge canal across the state.

THE NEW PEAVEY ELEVATOR AT DULUTH.

The latest addition to the Peavey System of Terminal Elevators is the one re-

The Barnett & Record Co., of Minneapolis, Minn., were the engineers, as well as the builders of it. The elevator is 238 feet long by 100 feet in width, with a carway 14 feet in width extending the entire

being taken outside the building, and the other located in the second bay, so as to give clear floor space thru the central portion of the building for cleaning machines and to admit the light.

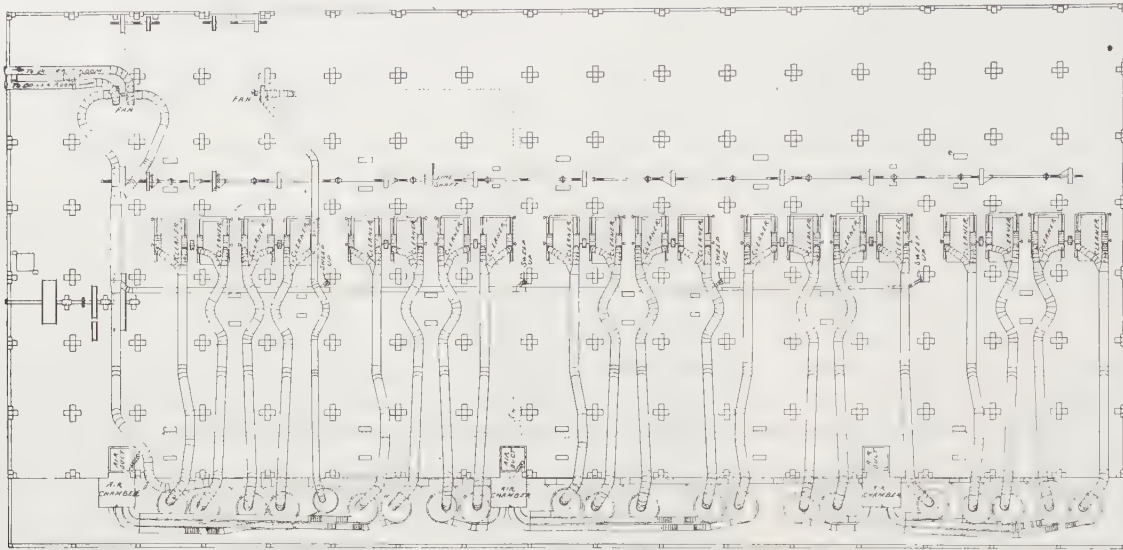


Fig. 1—Plan of First Floor and Dust Collector Gallery.

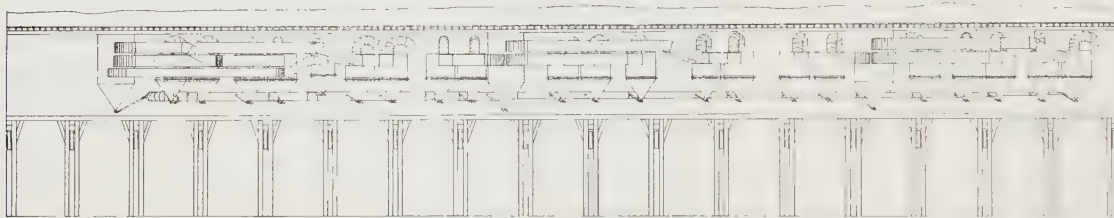


Fig. 2—Side Elevation of Dust Collector Gallery.

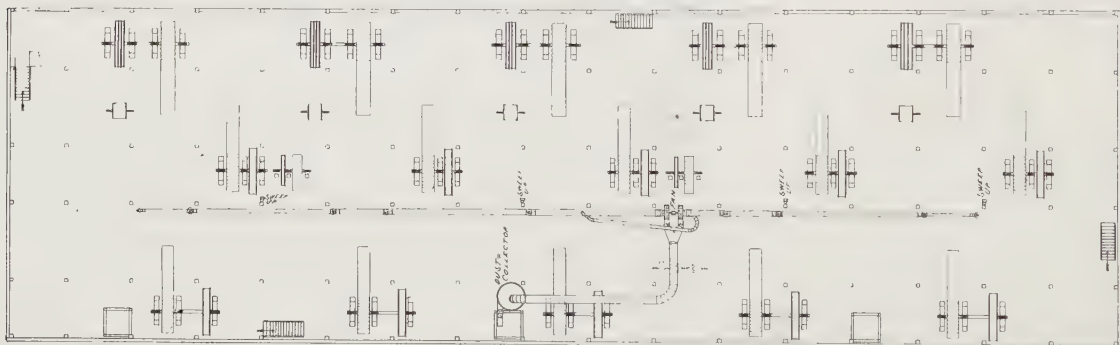


Fig. 3—Plan of Top Floor Showing Garner Connections.

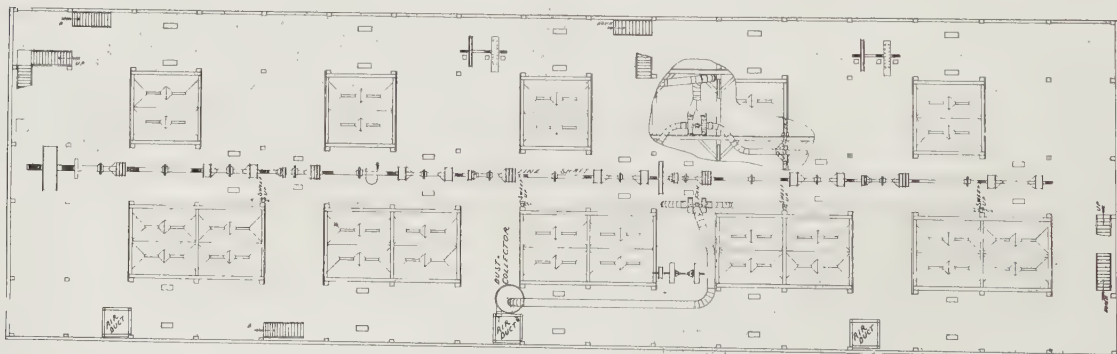


Fig. 4—Plan of Garner Floor Showing Sweeper System.

cently finished in Duluth, Minn., which with the storage portion now under construction will probably make the elevator the largest in the country.

length, and has a capacity of 1,100,000 bushels. A departure from the usual arrangement of machinery was made in this elevator, one of the receiving tracks

The elevator has five stands of elevators of 10,000 bushels capacity each, for the receiving of grain, located between the two receiving tracks. Each of

these elevators is provided with a 1,600 bushel Fairbank's Hopper Scale, arranged to discharge into all of the bins in the house. Five stands of shipping elevators,

water tube boilers of the latest type and a cross compound condensing engine. The power station is one of the most complete and economical ever erected for an

A complete dust collecting system is provided and all dust that it is possible to accumulate is carried to the furnaces and consumed. The collectors are all located in a special building over the car way adjoining the elevator and all collectors are ventilated into flues leading to the top of the building. The Day Dust Collectors are used in this system, and H. L. Day, of Minneapolis, Minn., furnished and installed the complete dust collecting system, as herewith illustrated.

There are twenty-four Day Dust Collectors used in this system. On the first floor are 20, connected with the 20 grain cleaning machines. Each of these cleaners is connected by galvanized sheet steel piping with a dust collector located in the dust collecting gallery, on the side of the elevator, and above one of the railroad tracks. The purified air from these collectors is relieved into three ventilating flues which extend to the top of the building, and are there relieved into the outer atmosphere. The separated dust from all of these dust collectors is received into a suction pipe connected with a double exhaustor fan located on the first floor, and delivered by this fan to a dust collector located on the boiler room, which is connected by furnace feeder to the four furnaces and delivers the dust to the furnaces automatically for fuel.

This double fan receives all of the accumulated dust from the various parts of the house and delivers it likewise to the furnaces.

Four floorsweeps on the first floor and in the basement handle the sweepings from these portions of the elevator.

A second fan is located on the first floor and has suction pipe connections with each of the five receiving elevator pits to collect the floating dust from these elevator pits. It delivers this dust to a dust collector located in the dust collector gallery and it is there delivered into the suction pipe of the above described double fan, which delivers to the furnaces.

On the top or machinery floor of the elevator is a double fan, which has suction pipes connected with the five receiving

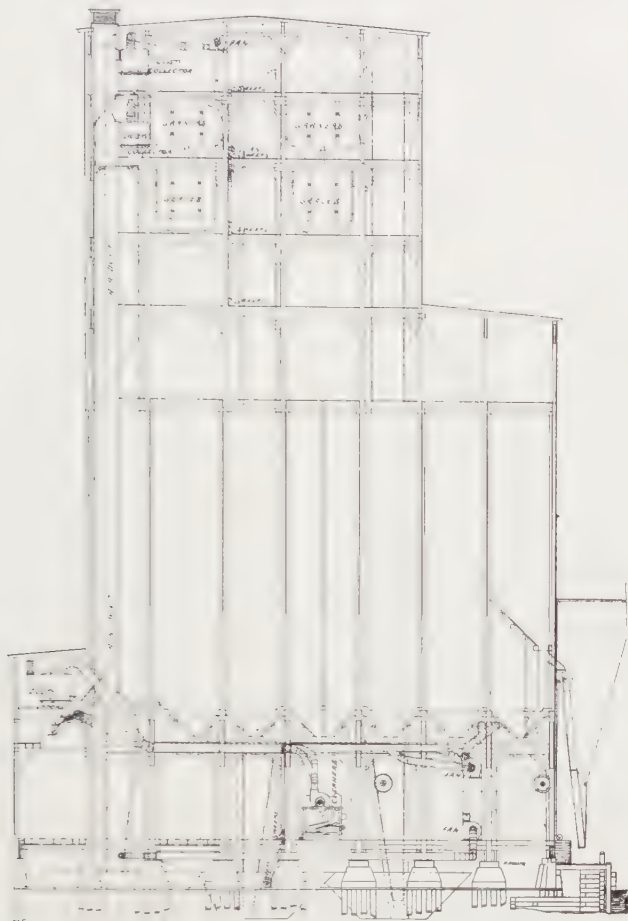


Fig. 5—End Elevation.

each of 12,000 bushels capacity per hour are located in the center of the house, and all bins can discharge into them. At the head of each of these elevators is located a 1,400 bushel Fairbank's Hopper Scale, discharging to the shipping bins. There are also five stands of cleaning elevators, with a line of twenty of the very largest Monitor Grain Cleaners, four of these cleaners discharging into each stand of elevators. At each of these elevators is located a 1,400 bushel Fairbank's Scale, with hopper that will discharge into any of the shipping bins or into all of the storage bins. By this arrangement the house can be operated at its full receiving capacity without interfering in the least with the shipping or cleaning, while a boat can be loaded at the rate of 60,000 bushels per hour without interfering in the least with the receiving or cleaning. The cleaning elevators can also be used for shipping, which would give a capacity of 110,000 bushels per hour for shipping without interfering in any way with receiving to the full capacity.

One of the special features of this house is the basement and pits, the track and work floor being much higher than usual and the pits at the different stands of elevators being especially large, those of the receiving elevators being of very large capacity, extending nearly from one elevator to the other, so that a train of cars of various lengths can be run into the building and unloaded without uncoupling.

The power is supplied by 2,000 H. P.

elevator. A complete system of stand pipes is provided, extending to all parts of the house, supplied by large fire pump

located in the engine room. All machinery thruout the plant is of the most modern type, the different elevators being driven by rope transmission.

garners, and the dust thus collected is delivered to a dust collector on the same floor, the air being relieved from this dust collector into one of the air ducts, and the

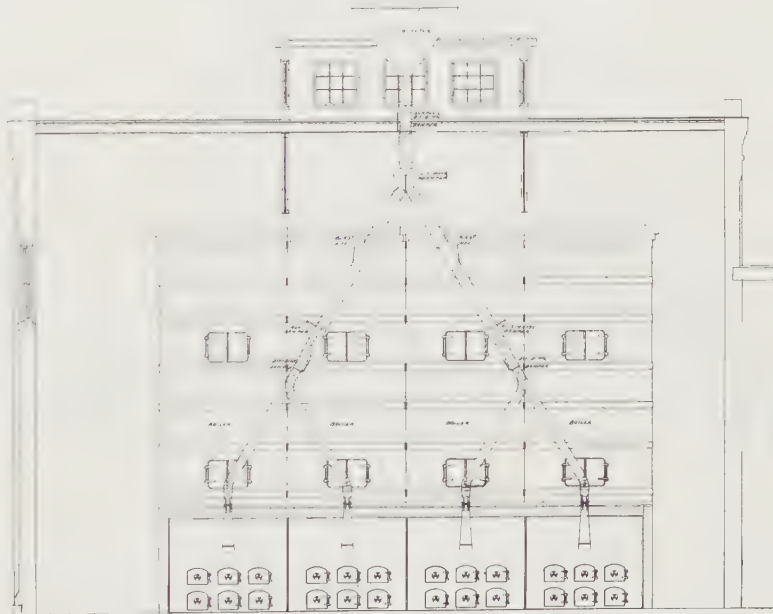


Fig. 6—Front View of Boilers with Furnace Feeders.

dust delivered to the suction pipe of the double fan on the first floor.

On the scale floor is another double exhausting fan with its piping system so arranged as to furnish four floor sweeps on each of the four upper floors of the elevator. It thereby enables the sweepings of these floors to be readily handled and delivered to a dust collector located on the scale floor, the air from this dust collector being relieved into one of the said air ducts, and the dust being delivered to the double fan on the first floor which delivers to boiler room.

of the dust collectors to the top of the elevator is a comparatively new feature in a system of this kind, and was provided by the engineers in planning for the system. The whole system as installed is compact, neat, scientific, and practical.

MERRITT'S NEW ELEVATOR AT SOUTH CHICAGO.

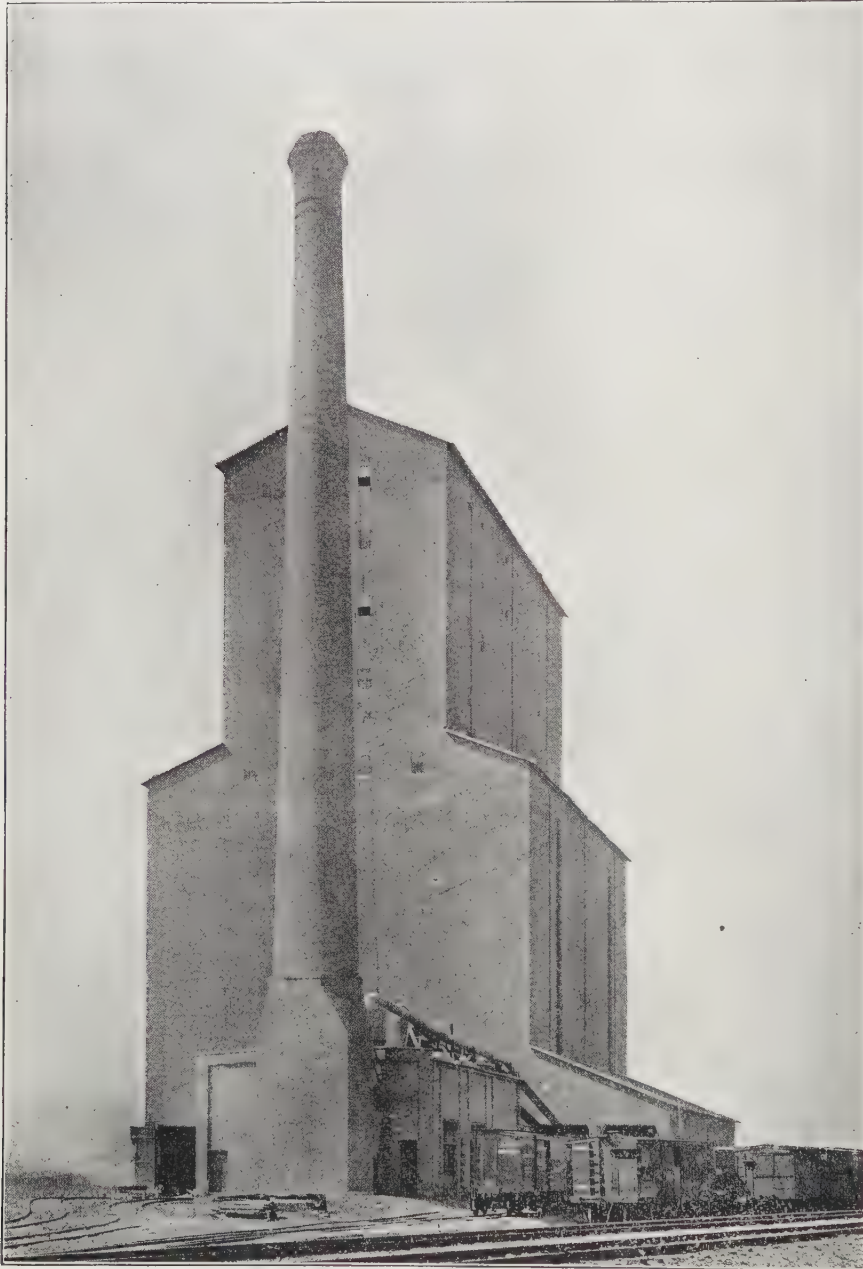
The closing of one of the oldest grain elevators on the Chicago River and the difficulties encountered by grain laden boats in navigating the river since its current up stream has been increased,

The last to be completed and started is the 750,000-bushel house of W. H. Merritt & Co., which is illustrated herewith. The new elevator, which is located on the Pittsburg, Fort Wayne & Chicago Railway at 98th St., and Calumet River, is a crib structure 85 x 140 feet, 173 feet high, and covered with corrugated iron siding and tin roofing. The brick boiler and engine room adjacent is 45 x 70 feet and 20 feet high. It has a gravel roof lined inside with corrugated iron. The smoke stack is 175 feet high.

The handling capacity of the house is said to exceed that of any house in the West. It contains late improvements for facilitating the handling and improving of grain. Being built on the banks of the Calumet River with a slip of its own, the largest vessels can reach the house. It has one of the best foundations ever put under an elevator, being concrete on piling. The piers supporting the building are of concrete.

The basement, which has a concrete floor, contains one 36 inch belt conveyer supplied by the Gutta Percha & Rubber Manufacturing Co.; one Weller tripper for throwing grain to the boot of a ship-ping and clipper leg.

In one corner of the building on the first floor, is a steam heated office with long distance telephone connection with

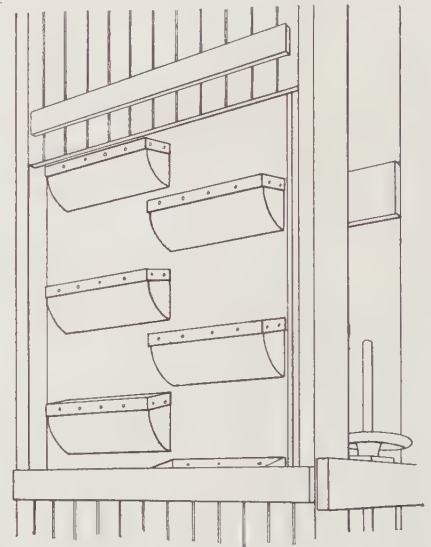


W. H. Merritt & Co.'s New Elevator at South Chicago, Ill.

This very complete dust collecting system handles all of the dust from the cleaning machines, as well as from other portions of the elevator, and utilizes the dust thus collected for fuel, which will effect a material saving in the coal bill, as well as enabling the operators of the elevator to keep a clean house with very little effort.

The three air flues, or ventilating flues, to convey the purified air from all

serves to emphasize the advantages offered the grain trade by the Calumet River, South Chicago, where vessels are accommodated by a deeper channel and their course is not interrupted by frequent bridges. Hence it is but natural to expect that more grain elevators will be erected on the banks of the Calumet River. Last season three were started; so far this season, one is being greatly enlarged.

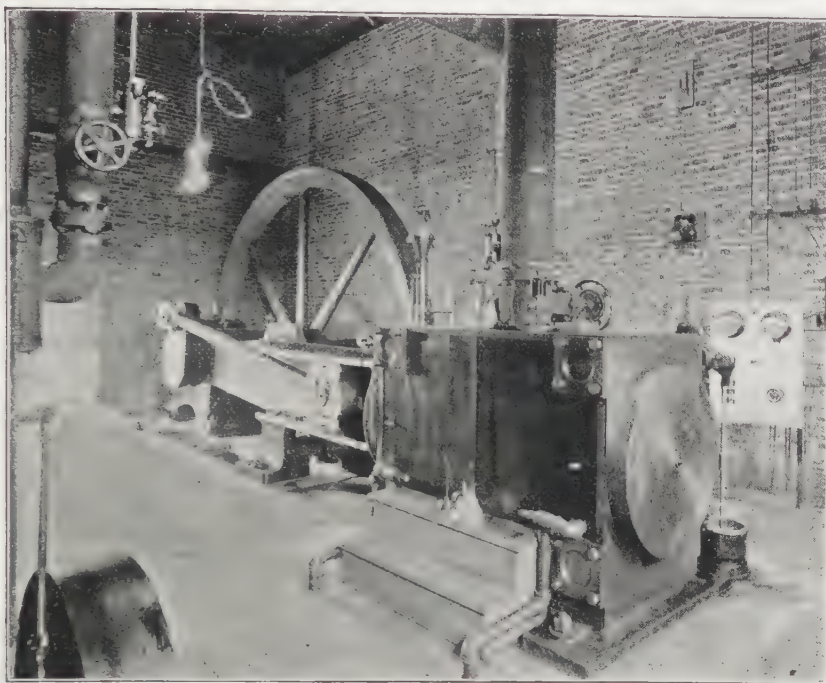


Arrangement of Buckets on Shipping Legs in Merritt's Elevator.

Merritt & Co.'s city office. The first story, which is the working floor, is 22 feet high, and is adjoined by a shed thru which run the two shipping tracks. Two receiving tracks extend thru the main house. Two Weller Car Pullers with wire cables are provided for handling the cars, and four double sets of Clark Power Grain Shovels are provided for removing grain from cars to the double receiving sinks. The four receiving legs have a capacity of 10,000 bushels per hour. The two shipping legs which have an elevating capacity of 15,000 bushels per hour have 6 x 10 inch Empire Buckets attached to a 22 inch belt being arranged in two rows, as is shown by engraving given herewith. It is claimed, and on very good authority, that this arrangement of the buckets on very wide belts enables the belt to adhere more closely to crown of the head pulley, permits greater speed and prolongs the life of the belt by overcoming the wear in middle of belt and the strain on the bucket rivets. One platform scale is installed

in center bin for weighing out and mixing. Four No. 9 Monitor Oat Clippers and two No. 9 Monitor Elevator Separators are provided for clipping and cleaning grain. A 36-inch Sturtevant fan removes dust and dirt to the dust collectors over the boiler room. This floor is roomy and well lighted.

Above the working floor are 66 hopper bottomed bins 14 x 14 by 60 feet deep.



Sioux Corliss Engine in Merritt's Elevator at South Chicago, Ill.

On the distributing floor are eight telescope spouts with trolley carriages, each of which can spout to twelve bins, or to the loading spouts, two of which run down inside the house and two outside the house. These spouts are constructed of Abendroth & Root's Spiral Riveted Pipe, for which many advantages are claimed for use as loading spouts. One row of bins on each side of this floor is left uncovered.

On the next floor above, known as the garner floor, which has a 14 foot ceiling, are two 30-inch conveyer belts running full length of the house and in opposite directions, with take-ups and two Weller Trippers. Grain from each scale is spouted direct to either of the two conveyors or to either of two telescope spouts on the floor below. Here also are the heads of four clipper elevators, each of which has an elevating capacity of 5,000 bushels per hour.

On the scale floor, which also has a 14 foot ceiling, are six 14,000 bushel Fairbanks Hopper Scales, with recording beams. Garner and scale levers are placed immediately in front of the beam standard convenient for the weighman to operate. The weighman's office, which is well lighted and heated by steam, is in charge of W. B. Ballantyne, a Board of Trade weighman, who is the only weighman employed.

On the garner floor above are six garnerers of 2,000 bushels capacity each. A line shaft extends the full length of this floor, being 7 inches at end next to steam plant, and tapering to 3 15-16 inches at other end. It carries eleven friction clutches with rope drives to elevator heads on the floors above and below; 1 1/2 inch Ajax Manilla Rope being used.

On the top floor are the heads of the six receiving and shipping legs with 96-inch drives and pulley heads.

The house is lighted thruout by electric lights and a stand-pipe with two reels of hose attached on each floor are provided.

The dust collecting system includes three drop sweeps, the dirt being swept to one of three hoppers on each of the floors above and dropped to the first

floor, where dirt is carried to sweep-up by the workmen. The dirt and sweepings as well as screenings and dirt from clippers and cleaners, is fed to six Day Dust Collectors over boiler room, as is shown in engraving and from which it is dropped to furnaces below.

The rope drive is from a 12-foot pulley in the end of the elevator adjacent to the power plant, 1 3/4-inch Ajax Manilla Rope being used. Fourteen strands extend up stairway shaft to line shaft on garner floor. Ten strands connect to the line shaft on first floor, from which the clippers and cleaners are driven by one-inch rope. An Eaton & Prince passenger elevator affords easy passage up and down the shaft.

The engine and boiler rooms which are well equipped thruout, contain four 16-foot by 60 inches tubular boilers, made by S. Freeman & Sons Manufacturing Co.; a Stillwell-Bierce & Smith-Vaile Heater, and a feed water pump. In the engine room, which is illustrated herewith, is a 600-horse-power Sioux-Corliss Engine, made by the Murray Iron Works Co., of Burlington, Iowa; a Barr Underwriter Pump, with a capacity of 1,000 gallons per minute and a 25-horse-power Comstock Engine driving a 300-light Triumph dynamo.

The house was planned and erected for W. H. Merritt & Co., by the C. M. Seckner Engineering Co. Buckets, boots and other supplies were furnished by the Weller Manufacturing Co.

Canal boat propulsion by electricity will be tried on the Miami and Erie Canal by J. M. Fordyce, of Detroit, who has received permission from the board of public works to erect his apparatus.

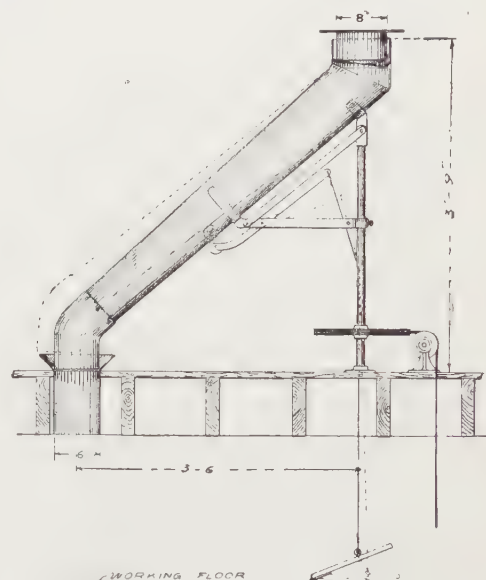
GERBER'S IMPROVED DISTRIBUTING SPOUT.

Little things are oftentimes the most annoying, and as there are many little things in an elevator, it behooves the elevator man to see that he has his house properly equipped to do the work perfectly and easily. The nearer automatic its operation the less will be the worry and expense and the better will the work be done.

Probably one of the most annoying things is to have a poorly constructed distributing spout. It costs the elevator man both money and much time by spilling grain from one bin to another or onto the floor.

The accompanying cut shows the Gerber Improved Distributing Spout. This spout is made of heavy sheet steel, with an elbow of cast iron at the discharge end, which sets into the floor or funnels leading to the bins, making it impossible for the spout to get out of position or mix any grain.

The spout is held in an upright position by an iron rod, which acts as its axis. At the lower end of this rod is a wheel



Gerber's Improved Distributing Spout.

to which is fastened a cord that passes over a small pulley and descends to the working floor, where it is fastened to an indicator wheel that is indexed to correspond with the number of bins to which the distributing spout can deliver grain. Another cord is fastened to a lever arm that raises the spout off the floor to a position indicated by the dotted lines in the cut. This cord passes thru the iron rod to the working floor and is fastened to a foot lever near the indicator wheel. By pressing the foot lever to the floor the end of the spout is lifted out of the floor funnel, then swung to any other funnel desired and locked in place. The position of the foot lever when released shows whether the spout is properly seated in the funnel. It is so constructed that it must be in correct position, or the fact is at once noticeable.

This spout is manufactured and sold by J. J. Gerber, Minneapolis, Minn.

A traffic agreement has been perfected by the Illinois Central with the Marshalltown & Dakota. To make connection the latter will extend its line from Rockwell City to Gowrie, 40 miles.

GRAIN TRADE NEWS.

CANADA.

James B. Stephens will manage the grain business of W. C. Graham at Winnipeg, Man., while the latter devotes his time to the insurance business.

The Farmers' elevator at Cartwright, Man., was closed April 5, having handled since the last harvest about 950,000 bushels of grain.

During the week ending April 14, 300 cars of grain were inspected at Winnipeg, Man. Of oats there were 10 cars, barley, 3 cars. Of the wheat, 176 cars graded No. 1 hard, 39 No. 2, and 25 No. 3 hard.

Wheat stocks on hand April 14 at Fort William, Port Arthur, Keewatin, Winnipeg and interior country points were estimated, approximately, at 9,105,000 bushels, compared with 10,000,000 bushels a year ago, 3,200,000 bushels two years ago, 6,000,000 bushels three years ago, 8,000,000 bushels four years ago, and 3,000,000 bushels five years ago.

Three miscreants with dynamite attempted to destroy a lock in the Welland Canal at Thorold, Ont., April 21. The men were captured and lodged in jail. It was alleged that Buffalo grain handlers had conspired to stop the movement of grain by the competing route, but United States Consular Agent Brush, at Clifton, has made a report exonerating the grain men from any connection with the outrage.

CHICAGO.

Board of Trade memberships are selling at \$2,200.

Charles O. Gregg, commission grain dealer, has failed.

The Chicago Railway Terminal Co. will close the Galena elevator.

Private elevators at Chicago contain more than 380,000 bushels of barley.

A St. Louis commission firm is doing a privilege business at Chicago thru the Open Board.

James R. Willard has filed a petition in bankruptcy, asking to be relieved of debts aggregating \$846,000.

Edward F. Jones, grain and produce broker at the stock yards, has disappeared, owing large sums.

F. J. Schuyler, of W. F. Johnson & Co., with his wife, is enjoying a vacation at Magnolia Springs, Ala.

George E. Bensley, for many years in the commission business on the Board of Trade, died recently, aged 77 years.

Argyle & Kirby are erecting an addition, 20x20x40 feet, to their elevator at Sixty-first street and the Rock Island tracks.

The Board of Trade has filed a cross bill in the suit of the Christie Street Commission Co. against the Western Union Telegraph Co.

Arthur R. Jones & Co., commission grain brokers on the Chicago Board of Trade, have established a branch office at Duluth, Minn.

Geo. B. Dewey, not the Admiral, but Commodore, is now traveling in Illinois and Indiana for Arthur R. Sawers of the Calumet Grain and Elevator Co.

Adolph J. Lichtstern & Co. have filed a bill asking for an injunction to restrain the Board of Trade from withholding market quotations.

Augustin C. Buell, president of the Buell Grain Co., who departed on an European trip a month ago, has died in Sicily. He was 50 years of age.

Thomas E. Bennett died recently. For many years he was connected with the grain trade. During the past few years he has lived in retirement on account of ill health.

Caroline A. Cantwell, the divorced wife of the one-time heavy trader on the Board, is suing for a divorce from her second husband, Judge D. C. Cantwell, of the Indian Territory.

A Rialto building bucket shop was raided April 18. The victims were principally women, one of whom, Mrs. Ingalese, lost \$1,000, and complained to the police, causing the raid.

George J. LeBeau, chief clerk of the Board of Trade weighing department, has returned to his post much improved in health. During his absence he spent two months with his wife at Magnolia Spring, Ala.

By a vote of 680 to 145 the members defeated the proposition to compel the directors of the Board of Trade to discipline any member guilty of accepting a cut rate of freight, in violation of the interstate commerce law.

It is not so very long ago that there was considerable speculation in futures of barley in this market, but there is none whatever now, and not a bushel is reported by any regular elevator. But this does not signify that there is no barley in Chicago.—E. W. Burdick.

East bound rail shipments of grain, flour and provisions from Chicago for the week ending April 21, were 163,136 tons, against 198,883 tons for the week previous, and 95,120 tons a year ago. It is expected that shipments will continue to decrease during the summer months.

After being missed for twenty-six years, G. Bates recently returned to Rochester, N. Y., and pleaded guilty to forgery, his confession implicating Dwight Andrews, who was state grain inspector under Gov. Altgeld, and who disappeared after his indictment for embezzlement.

Otto Lohrke and Armour & Co. have made a test case involving the payment of a double commission on c. i. f. business. The directors decided that where an option is given against cash trades the future must be closed the same day the cash is delivered, to prevent the charging of the double commission.

In the foreclosure proceedings involving the plant of the Busch & Epps Malt-ing Co., Judge Stein has granted the demurrer filed by David Rutter to the cross bill of Frank Chandler. The loan of \$25,000 was made in 1882, and from 1887 to 1895, Chandler & Co. advanced \$12,068 interest without the knowledge of the mortgagee.

Grain dealers having open contracts for the September wheat delivery at Chicago are advised to close their contracts before May 1, when the new rule of the Board of Trade goes into effect, prohib-

iting trading for future delivery beyond the second month after the one in which the trade is made. It will be very difficult to close any September contracts during May and June.

Wentworth W. Tewksbury was married April 17 to Miss Lucille Stevenson, at the home of the bride. Mr. Tewksbury is manager of the grain elevators and offices of the Charles Counselman Co. at South Chicago, and has been organist at the Normal Park Presbyterian Church for several years. The bride is an accomplished soprano soloist and a member of the Second Presbyterian Church choir.

The Board of Trade elected sixteen new members April 17. The accessions to the list include: Henry F. Douglass, Minneapolis; John D. Herklotz, New York; W. D. Hutton, Cincinnati; John D. O'Brien, Winnipeg; R. E. Tearse, Winona; R. W. McKinnon, Green Bay; Benj. C. Christopher, Kansas City; K. W. Thompson, Minneapolis; J. T. Truesdale, New York; Jay K. Secor, Toledo, and R. L. Boyer, Chicago.

A number of the grain boats which went out of Chicago harbor at the opening of navigation were delayed several hours by the obstruction known as the Washington street tunnel, over which there is about 16½ feet of water. The trouble was aggravated by the strong south wind, which lowered the level of Lake Michigan at its southern end. Complying with the wishes of the marine interests the drainage canal was kept closed by the commissioners until a change of wind filled the river to a high level.

W. R. Mumford, of the W. R. Mumford Co., grain commission merchants, well known on the Board of Trade and to grain shippers, was tendered a farewell reception April 19, at the parlors of the Fulton Street M. E. Church, on the occasion of his removal to the distant suburb of Evanston, where he has purchased a home. For twenty-six years, ever since the church was organized, Mr. Mumford has had charge of its finances, and the members have presented him with a handsome gold watch, suitably engraved, in appreciation of his long and faithful services.

New rules were adopted April 17, the directors approving the entire report of the committee of ten on revision. Commission firms can not do business for bucket shops, or in a bucket shop manner. Clerks can trade for their employers only. The fee for transfer of membership is raised from \$75 to \$150, and the proceeds are to be used in buying memberships at \$1,000. Trading on splits where quantities are odd is prohibited. A suspended member can not be reinstated by the directors unless error is proved in the testimony on which he was suspended. A car load of wheat is fixed at 700 bushel corn, 750 bushel oats, 1,200 bushel rye, 750 bushel barley, 850 bushel flax seed, 625 bushel clover, hungarian and millet seed, 30,000 pounds.

ILLINOIS.

J. H. Puterbaugh has completed his elevator at Minert, Ill.

F. T. Rolph of Millington, Ill., is out of the grain business.

Phillips Bros., of Milmine, Ill., will enlarge their grain elevator.

Joseph Potter, of West Jersey, has purchased the elevator at Lafayette, Ill.

Frank Brown is local manager at Findlay and Duvall, Ill., for Gould Bros. & Co.

F. E. Randolph is disposing of his grain and mercantile business at Lerna, Ill.

It is rumored that a large elevator will be built at Fairbury, Ill., this summer.

George F. Hyde has taken charge of Mr. Beach's grain elevator at Rising, Ill.

M. F. Reilly & Co. of Peddick, Ill., will build a 20,000-bushel addition to their elevator.

O. M. Kelley of Dana, Ill., informs us that he will build a large elevator this summer.

L. T. Hutchins & Co., grain dealers, will make some improvements at Milford, Ill.

E. D. Risser of Ludlow, Ill., expects to build an elevator this summer at Woodland, Ill.

Readers will confer a favor by sending notices of new elevators, new firms and business changes.

S. C. Bartlett & Co. have just installed a 5 h. p. Davis gasoline engine in their elevator at Ogle, Ill.

Ennes, West & Co. will build an elevator at Deer Grove, Ill., of 25,000 to 30,000 bushels' capacity.

J. M. Camp, Bement, Ill.: The Grain Dealers Journal is a valuable paper; worth more than it costs.

Root & Westervelt have succeeded the Harwood Co. in the grain, hay and coal business at Shelbyville, Ill.

Ellis & Wagner of Secor, Ill., contemplate making extensive improvements on their elevator this summer.

George W. Lister has succeeded M. R. Thayer as the representative of E. R. Ulrich & Sons, at Buffalo, Ill.

W. A. Rosenberger, grain dealer at Papineau, Ill., intends putting in an engine and remodeling his elevator.

Haugh & Williams, of Woodhull, Ill., are remodeling their elevator and putting in some new machinery.

The Neola Elevator Co. of Chicago soon will conduct the elevator of T. C. Williams at Mount Morris, Ill.

Thomas Johns has succeeded Kline Fleming as bookkeeper for the Pratt-Baxter Grain Co. at Taylorville, Ill.

The elevator which is being built at Colfax by O. A. Means & Co. of Anchor, Ill., is to have 75,000 bushels capacity.

A. Keeler of Kent, Ill., will improve his grain house by putting in a dump and gasoline engine, and perhaps a feed mill.

Kohl & Eden of Danforth, Ill., inform us that C. H. Comstock at Ashkum, Ill., has begun building a new oat storage elevator.

W. H. Coulthard, McClusky, Ill.: I find the Grain Dealers Journal to be a paper that should interest all grain dealers.

F. E. Sharp of Blandinsville, Ill., expects to engage in the grain business at some point in the state not yet decided upon.

G. W. Barnett, of Galesburg, Ill., one of the oldest grain dealers in the state, has been on the sick list for the past eight weeks.

Edwin Felts, formerly of Foster, Ind., informs us that he has bought an elevator at Padua, Ill., and will continue in the grain business.

Charles E. Crow will have charge of the elevator at Fairmount, Ill., which recently was purchased by Hill Bros. & Crow of Blue Mound, Ill.

The Farmers' Elevator at Varna, Ill., which has been a losing investment for the farmers, has been purchased by Thos. Wheeler, of Leeds.

Wm. R. Perrin & Co., Chicago, Ill.: We have sold the gasoline engine that we advertised in the Grain Dealers Journal.

We were very much pleased with the large number of inquiries we received thru the advertisement.

Bateman & Noble Bros. of Belleflower, Ill., are repairing their elevator at Kummer, Ill., by lowering the driveway and putting in a conveyor.

H. Bokhof & Co. of Rock City, Ill., are putting in a larger engine. The old one was not powerful enough to run all the machinery at one time.

G. J. Reeverts and John C. Scott have formed a partnership to conduct a grain business at Spring Valley, Ill., where they will operate the elevator.

David C. Fisher, grain dealer at Ransom, Ill., has been acquitted of the charge of embezzling \$2,500 from Carrington, Hannah & Co. of Chicago.

Benjamin B. Bowles has purchased the elevator and grain business of Charles Hauck at Raymond, Ill., which was advertised for sale in the Journal.

F. L. Churchill & Co.'s elevator at Fairbury, Ill., is being changed from a studded to a cribbed elevator and the capacity will be increased to 30,000 bushels.

A. P. Powers has purchased of the heirs of the late S. A. Poland their half interest in the elevator property of the firm of Poland & Powers at Sullivan, Ill.

S. W. Allerton, of Chicago, will build a fine new elevator to take the place of the burned plant at Allerton, Ill., and expects to have it completed by July 1.

Frank H. Streed of Souders writes that Smith & Flemming of Osco, Ill., are building a 30,000-bushel elevator that will be equipped with all the latest machinery.

M. M. Frederick & Co. of Clarence, Ill., write that they are erecting an addition of 25,000 bushels capacity and replacing the old dumps with seven new ones.

P. B. & C. C. Miles of Peoria received a car load of hay April 16 which was a record breaker. It was shipped by W. L. Niver of Luverne, Ia., and contained 50,500 pounds.

Kohl & Eden, Danforth, Ill., April 9: Oat seeding is quite general in this locality, and ground is in nice condition. If weather continues favorable about all the oats will be sown by April 14.

Hatch & Shrope of Stillman Valley, Ill., have dissolved partnership. M. P. Shrope is looking for a new location. D. R. Hatch will continue the business at the Chicago Great Western elevator.

Varna, Ill., has two elevators, one of 20,000 bushels capacity, operated by Ed. Guard, and one of 12,000 bushels capacity, operated by the Farmers Grain & Coal Co., William Scarborough, agent.

F. L. Churchill & Co. are building an octagon shaped elevator of 20,000 bushels capacity at Lodenia, Ill. Gasoline power will be used, and a passenger elevator or lift will be put in for the workmen.

Fire at Allerton, Ill., April 3, destroyed the grain elevator owned by Samuel Allerton, the Chicago capitalist and land owner. The building cost \$25,000 and contained 15,000 bushels of grain. Partially insured.

E. E. Schroeder, of Minonk, Ill., has purchased the elevator of Charles Horne-man at Odell, Ill., for \$7,000. It is said Mr. Horneman sold on account of financial difficulties caused by overbidding and free storage.

Geo. L. Merritt & Co. of Roberts, Ill., write: We notice in the Grain Dealers Journal of April 10 that Austin Gibbons will build an elevator at Dwight, Ill. Mr. Gibbons has been employed by us to take charge of our elevator at Nevada from

April 1, 1900, to April 1, 1901. Mr. Gibbons has had charge of our Nevada elevator since November, 1899.

Merritt Bros. & Co., of Dwight, Ill., have just completed a telephone line which now connects their three elevators, two at Dwight, on the Alton and the I. & I., and the third at Nevada, Ill., on the C., B. & Q. R. R.

Kellar, Hight & McCoy of Dalton City, Ill., are building an elevator near Hervey City on the P. D. & E. R. R. The plant will have 15,000 bushels capacity, and will be equipped with a low dump and other improvements.

M. O. Flanigan & Co. have purchased the elevator at Parnell, Ill., of the Middle Division Elevator Co., for \$4,000, and will take possession May 1. L. F. Rohde, a partner, will have charge; but his family will remain at Belleflower.

Henry Christlieb of Mansfield, Ill., informs us that he has leased his elevator to R. E. Howe, who has been running it ever since April 1, 1899. Corn in that section is very scarce, but the country contains lots of white oats.

Roberts, Moschel & Mosiman of Morton, Ill., have begun the construction of their new elevator at Cruger, Ill. Henry Loesh & Co. of Washburne have the contract. Webster Manufacturing Co. has the contract for the machinery.

John Olwin & Son, Robinson, Ill., April 9: Wheat has been going back in the last 10 days; too dry. Corn very scarce and selling to feeders here at 40 cents. Very big crop put out this spring, as the season was so very favorable for seeding.

W. T. Boston, of Jeter & Boston, Yorkville, Ill., was in Chicago recently and reported the season backward, but the modern methods of farming enable the grain growers of today to do as much in one day now as they could in ten fifteen years ago.

The Illinois Grain Dealers' Association is considering the advisability of establishing a mutual insurance company for taking fire risks within the state. The matter will come before the members at the annual meeting in Decatur, June 12 and 13, and will be fully discussed.

J. M. Ledden of Osprey, Ill., informs us that he contemplates enlarging his elevator and putting in an ear corn dump, a sheller and larger power, probably steam. Mr. Ledden is agent for the Middle Division Elevator Co. at present; but soon will be doing business on his own account.

F. W. Anderson informs us that L. T. Hutchins & Co. of Donovan, Ill., are putting in an ear corn dump, making three dumps in their house at that point. They also intend enlarging their house at Iroquois, and will put in a steam plant instead of gasoline. Mr. Stewart of Sheldon is doing the work.

We are indebted to R. C. Grier, secretary, for a copy of the thirtieth annual report of the Peoria Board of Trade. The receipts and shipments during 1899 of the various grains and commodities over each of the fourteen railroads having terminals at Peoria are given. The commerce of the city shows a large increase over preceding years. Railroad discrimination during the first three months caused a decrease in the grain trade. The total receipts were, in tons: Wheat, 13,784; corn, 477,713; oats, 146,208; rye, 3,749; barley, 33,464; seeds, 1,155; broom corn, 886; and hay, 39,732; against wheat, 16,782 tons; corn, 503,845; oats, 152,739; rye, 3,815; barley, 50,134; seeds, 1,155;

broom corn, 496, and hay, 36,976. Shipments during the year were: Wheat, 2,311 tons; corn, 155,643; oats, 146,351; rye, 540; barley, 22,577; seeds, 465; broom corn, 557, and hay, 2,040; against wheat, 4,943 tons; corn, 175,253; oats, 146,049; rye, 622; barley, 30,267; seeds, 649; broom corn, 312, and hay, 41,130, during the preceding year.

Orin Palmer, Kemper, Ill., April 9: There will be no grain to handle until after harvest. The wheat came thru the winter looking well generally, but has gone back the past ten days owing to dry weather, helped probably by the hessian fly. It was full of them last fall and they deposited an abundance of eggs. It is hard to tell how much the young crop of flies will damage the wheat crop. On hills owing to the dry weather the wheat is dying.

The Churchill-White Grain Co., of Chicago, will have its elevators at State Line, Ind., (Illinois P. O.) and Dunnville (Teftts P. O.) ready for operation May 1, and one of the same kind at Hamlet is in process of construction. These elevators are complete for handling wagon trade with as little labor as possible; dump, cornsheller, etc., and for power have 12-hp. gasoline engines. On May 1 the company will open five new elevators on the Streator and Clinton extension of the Three I. These stations are Three I, Milla, Lostant, Priscilla and McNabbs, Ill., and another similar elevator is being erected at Granville, Ill. The elevators on this extension are run by 16-hp. gasoline engines, have two legs, 12-inch buckets and have a storage capacity of 25,000 bushels. They are arranged to handle a big business quickly and economically. The company also has in contemplation the erection of four or five more elevators on this extension. The 16-hp. engines used in the elevators are of the Fairbanks-Morse pattern, and the 12-hp. are the Burrell engine. M. Churchill, president of the company, is the head of the grain houses of Churchill & Co., of Chicago, Toledo and Buffalo, and George A. White, the treasurer and manager, was formerly connected with Southworth & Co., grain commission merchants of Toledo.

INDIANA.

The Lebanon Grain Co., Lebanon, Ind., is erecting a new office and putting in new scales.

Readers will confer a favor by reporting new elevators, new firms and business changes.

Kinsey Bros., Claypool, Ind., April 10: All wheat is winter killed. We never saw it so completely done up.

John Black, of Culter, Ind., will have charge of the Donlin elevator at Rockfield, formerly operated by Wilson & Van Gundy.

Cadwallader & Starr Covington, Ind., write: We have just completed overhauling our mill, which was closed five weeks while adding new machinery.

Model Mill Co., Franklin, Ind., April 9: The prospect for the coming crop of wheat is very poor. Farmers are plowing up their wheat and putting in oats or corn. Not much wheat left in farmers' hands. We are paying 70 cents.

The Eastern Indiana Grain Dealers' Association, which recently was formed at Muncie, has agreed that a fine of \$25 shall be imposed on any member loaning bags.

Fred P. Rush, of Indianapolis, has received reports from all sections of the

state indicating that the yield of wheat will not be over 25 per cent of the normal.

The Lebanon Grain Co. writes the Kirklin Grain Co., of Kirklin, Ind., will put in all new machinery.

A brand new girl arrived at the home of Mr. and Mrs. W. T. McCray, Kentland, Ind., on the evening of April 23.

W. H. Bassett, Lebanon, Ind., April 24: The wheat is almost a failure in this section. Lots of oats sowed. The corn and oats acreage will be large here on account of wheat failure.

William Nading, the enterprising dealer in grain and seeds at Shelbyville, Ind., has issued a neat little memorandum book "for the farmer to keep a record of his grain weights, and to remind him that we are always in the market for grain at the best prices."

The elevator of the Churchill-White Grain Co., at Knox, Ind., which was burned, will be replaced by one of about 60,000 bushels capacity, arranged to handle the local farmers' business, as well as for transfer and cleaning. It will be modern in all respects, equipped with cornsheller, oats clippers and cleaners.

Hutchinson & Son, Artington, Ind., April 4: The acreage of oats here is the largest ever known. In the last five years we have not shipped out over five cars, and never sold seed oats before. This year we have sold 6,000 bushels for seed to replace wheat, and our competitors have had a like trade. Think wheat will not yield seed back.

Martinsville Milling Co., Martinsville, Ind., April 9: The prospect for wheat in Morgan and adjoining counties is very poor; 33 1-3 per cent would be a big estimate, and we think that 25 per cent will about hit the mark. Farmers are plowing up their wheat and sowing to oats and corn. Wheat can not be got from farmers at this point for less than 75 cents per bushel. The farmers are "yelling" dollar wheat at harvest now. They may get it.

IOWA.

Armour & Co., it is said, will build an elevator at Herndon, Ia.

John Kutchera has completed his elevator at Little Sioux, Ia.

Reuben R. Whitney, at one time a grain dealer at Aurelia, Ia., died April 15, of heart disease.

The roof is being placed on the second elevator of the American Cereal Co., at Cedar Rapids, Ia.

John Williams, of Washta, has removed to Primghar, Ia., where he has engaged in the grain business.

Smith, Lewis & Co., Keota, Ia., April 16: Oats have been put in in excellent shape in this locality.

Geo. W. Post & Son, Lehigh, Ia., April 13: It is cold and dry, and poor weather for growing crops.

The Nye & Schneider Co., of Omaha, Neb., has purchased the Hall Distributor for its new elevator at Ute, Ia.

P. M. Ingold & Co. have let the contract for the erection of an elevator at the new town of Langdon, Ia.

W. B. Garrison & Son, Afton, Ia., April 17: We have had good rains here for the past three days. Oats are all sowed and in good shape; about an average acreage here this spring.

James Robertson, Sr., who has been identified with the grain business at Cherokee and Washta, Ia., for 30 years, has just sold his elevator at Washta, to

Duart & Williams, and will retire from the business.

W. F. Hanrahan, dealer in grain and merchandise at Charlotte, Ia., writes that he will put in some machinery.

Thor Lumber & Grain Co., Thor, Ia., April 10: The farmers are getting in their small grain. The soil is in excellent condition to work.

F. J. Taylor is no longer representing the firm of Daniel P. Byrne & Co., of St. Louis, Mo., in southwestern Iowa, with headquarters at Creston.

The Interstate Grain Co. is remodeling its warehouse on the Great Western Railroad at New Hampton, Ia., into an elevator. Power will be taken from a manufacturing establishment near by.

Smith, Lewis & Co., of Keota, Ia., write: We understand that the warehouse at Pekin, Ia., will be enlarged and improved by G. H. Carter, who has the grain business in charge at that place.

Hopkins & Co., Chatsworth, Ia., April 7: Corn is about all shipped from this place. The farmers are busy sowing wheat, the acreage of which will not be so large, as more corn will be planted.

Fire at Decorah, Ia., April 7, destroyed the warehouses of the B., C. R. & N. R. R., together with 700 bushels of seed flax and 2,500 bushels of oats belonging to C. B. Lennon & Co. Insurance on grain \$700.

H. Wetzel, of Lisbon, has purchased the elevator and grain business of Frank Thoms at Minburn, Ia. Mr. Thoms is one of the incorporators of the new Minburn Implement Co., and will also handle real estate.

Geo. A. Groves, Arion, Ia.: You may discontinue my advertisement in the Grain Dealers Journal. The result has been all and even more than I anticipated, and think any one in the grain business can make no mistake by advertising in the Journal.

M. W. Lee and Phil S. Reed, of the Northwestern Iowa Grain Co., Mason City, visited Hedrick, Ia., recently to examine an elevator which they have recently purchased, and which has a capacity of 25,000 bushels. They have not yet selected a man to take charge.

Frank P. Casey, Storm Lake, Ia., agent of the Western Grain Co., writes: The M. & St. L. R. R. is going to build an elevator here this summer, so it is reported, but no signs of it yet. The Milwaukee Road will complete its elevator this month. The feeders are taking all the corn.

J. W. Lefever, Nira, Ia.: Please discontinue my advertisement in the Journal, as I have made the sale of elevator and coal business. I consider it pays to advertise in the Journal, as I had been wanting to sell for eight months, and only advertised one month before making a sale.

The Marfield Elevator Co., of Winona, Minn., operates entirely on the line of the Northwestern Railway, and its recent purchase, the Goodrich Elevator at Linn Grove, Ia., is not on the St. Paul, as stated. The company operates elevators at Ireton, Sutherland, Peterson, Linn Grove, Stanhope, Auburn and Early, Ia., and has 50 houses in South Dakota.

KANSAS.

The Lyons Grain Co., of Lyons, Kan., will discontinue business.

John H. Gentry, Minneapolis, Kan., April 10: In Ottawa county we have the finest prospect for wheat we have ever

had. We will raise 3,000,00 bushels, nearly all Turkey hard wheat.

William Perkins is about to build an elevator at Frankfort, Kan.

J. E. Brode has bot the grain business of W. D. Blyth at Annelly, Kan.

A. C. Davis has just completed a 6,000-bushel elevator at Berwick, Kan.

George H. Bidwell, Mullinville, Kan., April 10: The wheat prospect is fine.

Readers will confer a favor by reporting the grain trade news of their territory.

Green & Culver, of Wichita, Kan., have their new 25,000-bushel elevator nearly completed.

The elevator at Fontana, Kan., operated by B. L. Blaker & Co., millers, was burned April 6.

The directors of the Kansas Grain Dealers Association held a meeting recently at Topeka.

George H. Bidwell, of Mullinville, Kan., will enlarge his elevator and put in new machinery.

The Farmers' Elevator Association has been incorporated at Marietta, Kan., with \$12,000 capital stock.

Garrison Bros., of Fort Scott, Kan., inform us that they have engaged in the grain business at Schell City, Mo.

J. A. Roth, Caney, Kan., April 8: Wheat is looking fine over all the country for miles around. Corn is being put in in good shape.

A. E. McKenzie, chief grain inspector, reports a deficit of \$222 in his department for the month of March. The total expenditures were \$2,165.

The office of the secretary of the Kansas Grain Dealers' Association, E. J. Smiley, has been removed from Concordia to Topeka, 26 Office block.

R. S. Hunter, Hunnewell, Kan., writes: If everything continues favorable for the growing crop, I will enlarge my elevator and put in some new machinery.

Joseph Hilger, Colwich, Kan., April 19: Wheat and oats just splendid; never better; soil condition fine; large acreage of both; corn planting about done.

The April report of the Kansas Department of Agriculture places the condition of wheat at 99.7 per cent. The area of standing wheat is 4,715,762 acres. Prospects were never better.

F. L. Ingersoll writes that the Greenleaf-Baker Grain Co., of Atchison, has bot the elevator and mill of W. H. Barney, at Kirwin, Kan., and will operate the plant the coming season.

H. O. Cook, of Sabetha, Kan., writes: Fred Leikert of this place will put in all new machinery and a 12-hp. Witte engine. He will enlarge the plant also, and will begin on the work May 1.

W. B. Giles informs us that the J. H. Light Grain Co., Abilene, Kan., has moved the old Grange elevator from the Union Pacific to the Atchison track. New engines, boilers and machinery are being put in.

A. H. Bennett, traveling representative of the Capitol Elevator, Topeka, Kan., writes us under date of April 7: In a trip from Kansas City as far west as Wakeeney, Kan., I failed to see one single field of wheat that looks poor. Further, I did not hear a country grain dealer, nor even a farmer, finding fault with this year's wheat prospects. Between Kansas City and Salina there are a number of fields in which the wheat is tall enough to wave in the breeze. In the western portion the crop is not so far advanced; but there have been two good rains and prospects are fine.

MICHIGAN.

W. P. Harryman, Bennington, Mich.: If we have a good crop of wheat we shall put in a new receiving separator.

Walter Walker & Co., of Imlay City, Mich., have purchased the Lambs elevator, of which they have long had a lease.

James M. Rowley, treasurer of the Farmers' Elevator Co., Lenox, Mich., died April 4, aged 68 years. He was engaged in the grain trade for thirty years.

Miller's elevator at Vassar, Mich., was ignited by sparks from a locomotive recently. Part of the roof and cupola were burned and the grain was damaged by water.

C. A. Burks & Co., of Decatur, Ill., will open a grain commission office in the Chamber of Commerce at Detroit, Mich., May 1. Mr. Burks is well and favorably known at Decatur, where he has conducted and will continue the general track buying and shipping business. As a man of enterprise and ability Mr. Burks will be a welcome addition to the grain trade of Detroit.

MINNESOTA.

Martin T. Sand will buy grain at Erdahl, Minn., for the Interstate Elevator Co.

S. H. Grannis has bot the grain and coal business of J. G. Koller at Mankato, Minn.

The Independent Elevator Co. will remove its headquarters from Duluth to Minneapolis.

E. H. Grassmone has bot the grain and fuel business of Pullen & Tollefson at Fairfax, Minn.

The Minnesota Railroad Commission will hear the southwestern grain rate matter April 25.

The contract for the construction of the Grain Exchange building at Winona, Minn., has been let.

William Griggs, of Minneapolis Lake, will buy grain at Nassau, Minn., for the Northern Elevator Co.

H. N. Douglas, of Worthington, Minn., will move his elevator from the Omaha to the Burlington tracks.

J. R. Spitzer, grain dealer at Morley, Minn., who was charged with embezzlement, has been acquitted.

The railroads and the state commission have not agreed on the reduced grain rates from southwestern Minnesota.

The Imperial Elevator Co., of Minneapolis, is building elevators at Donaldson, Minn., Perth, N. D., and Bisbee, N. D.

The contract for the construction of a 200,000-bushel elevator at New Ulm, Minn., has been let by the Eagle Mill Co.

The Minnesota Elevator Co., of Winona, has a new elevator at Vesta, Minn., equipped with the Hall Grain Distributor.

The Great Western Elevator Co., Minneapolis, Minn., is building ten new elevators on the M. & St. L. railroad in Minnesota.

John M. Bradford, who was connected with the Minnesota grain inspection department during the term of Gov. Clough, is dead.

F. B. Wells, of the Peavey Elevator Co., Minneapolis, Minn., who has been in Europe on business, will return by May 1.

J. P. Carpenter of Sauk Rapids will remove with his family to Royalton, Minn., to engage in the grain business with T. H. Sparrow.

W. H. Christenson, Rushmore, Minn., April 19: Owing to the low price of

wheat during the past year, the farmers in this vicinity will sow more barley and oats, and also increase the corn acreage.

The Minneapolis Journal of April 18 contains a very complete history of the principal grain firms now doing business in that city.

Carl Johnson, employed in the Peavey Elevator at Duluth, Minn., was instantly killed April 6, by a fall down the elevator shaft.

The American Grain Co., Minneapolis, Minn., reports a very prosperous year. It contemplates building some new elevators in the near future.

Fire at Lake City, Minn., April 6 destroyed the elevator of the J. Rau Grain Co., with two carloads of grain. Loss, \$6,000; partially insured.

The National Elevator Co., of Minneapolis, Minn., has purchased the elevator at Barry, Minn., of E. H. Durbin, and will take possession May 1.

Thomas B. Sheldon, for many years a grain dealer and prominent in the industrial enterprises of Red Wing, Minn., died April 3, after a brief illness, at the age of 80 years.

The Lord & Peet Elevator which is being built at Wolverton, Minn., by Honstain & Co., of Minneapolis, is nearing completion. It is a 15,000-bushel plant, and will make three elevators for Wolverton.

The contract for rebuilding the burned Farmers Elevator at Fairbault, Minn., has been awarded to V. Chappius of that city and W. S. Cleveland of Minneapolis. The plant is to have 30,000 bushels capacity, and is to be completed June 1 at a cost of \$4,900.

The elevators of Minneapolis, Minn., have a capacity of 28,185,000 bushels. The regular houses number 31, of which 25, with 19,280,000 bushels capacity, operate under the rules of the Chamber of Commerce, and 6, with 6,850,000 bushels capacity, under the rules of the warehouse commission. The capacity of the 6 private elevators is 2,055,000 bushels.

General Superintendent H. C. Harding, of the Peavey Duluth Terminal, informs us that the company hopes to finish this fall a storage house built of concrete in connection with the new Rice's Point elevator, which will give the Peavey system a storage capacity of 5,000,000 bushels at the head of Lake Superior. About half of the foundation piles have been driven.

The new houses recently completed by the Great Western Elevator Co., of Minneapolis, Minn., are situated at Searles, Hanska, La Salle, St. James, Eckols, Ormsby, Monterey, Dunnell and Huntington, Minn., and Estherville, Ia., on the Minneapolis & St. Louis Railroad; and at Cable, Minn., and Tower City, Jessie, Binford, McHenry, Bowden and Lovell, N. D., on the Northern Pacific Railway.

The Omaha road is building a new line from Bingham Lake to Currie, Minn. There will be three new towns on this line. The first town from Bingham Lake will be Jeffers, at which place the American Grain Co., F. H. Peavey & Co. and J. W. Benson will build new elevators. The next town has not been named yet. At this station St. Johns Bros., Hubbard & Palmer and F. H. Peavey & Co., will build. At Currie elevators will be built by American Grain Co., Sage Bros. and Hubbard & Palmer.

The large new elevator of the Peavey Duluth Terminal Co., at Rice's Point, is equipped with 15 scales of the Fairbanks make, five of which weigh 1,600 bushels and 10 1,400 bushels; 20 No. 9 Monitor

Cleaners, with the latest improvements, built by the Huntley Manufacturing Co., Silver Creek, N. Y.; and with the H. L. Day dust collecting system, the fans of which were made by the National Blowing Works. The engine of 1,200 horse power was built by the Filer & Stowell Co. and is of the cross compound condensing type. Steam is supplied by four Wickes Bros.' vertical water tube boilers of 300 horse power each. Fire protection is provided for with a Fairbanks-Morse duplex pump of 1,000 gallons capacity per minute. The elevator is fitted thru-out with chain oiler bearings.

OUR MINNEAPOLIS LETTER.

Minneapolis futures are still on the decline. Nothing has been done in cash wheat the past month to speak of, and the "bears" still remain in evidence. There has been some movement in corn, and at good price, in some instances, a little above market quotations, in cases of choice stock. Barley and flax remain about the same, the demand being steady, tho not strong. Peavey's Duluth elevator line has commenced its annual spring painting, and will renovate and paint some sixty houses at once.

The fire which almost totally wiped out the town of Edinburg, N. D., destroyed the elevator of the Duluth line at that point, and the elevator of the Imperial Elevator Co. The loss in both cases was complete. Both companies will rebuild at once. The Peavey elevator, which was of 45,000 bushels capacity, will be rebuilt on the old foundation, practically the same as it was before. It may not be quite as large, but will be at least 40,000 bushels. The Imperial Co.'s elevator, which was a 35,000-bushel house, will be rebuilt on slightly enlarged lines.

Honstain Bros. have the contract for the construction of a 200,000-bushel elevator at New Ulm, Minn., for the Eagle Roller Mill Co., to cost \$40,000. It will be the finest in the state outside of the Twin Cities and Duluth. Everything is to be strictly modern. The plant will be equipped with track, dump and hopper scales. Two hundred horse power will be transmitted from the present mill of the company, rope transmission being employed.

Spaulding Bros. of Lamberton, Minn., have employed Honstain Bros. to build a 25,000 bushel elevator at Wanda, Minn., on the new N. W. R. Co.'s extension. The plant is to be equipped with a 90-hp. Fairbanks gasoline engine, dump and hopper scales.

The new plant of the Pioneer Steel Elevator Co., which is being built here by the William Graver Tanks Works, of Chicago, is being pushed to completion as rapidly as possible, and it is now estimated that the work will be done by the middle of June or the first of July. It is a distinct departure, in that the entire plant is built of steel, working house, as well as the storage tanks. The elevator proper will hold about 200,000 bushels, and the five circular tanks which are included in the plant will hold 100,000 bushels each, giving a capacity of 700,000 bushels. The working house is divided into thirty-nine square bins. The power will be derived from a 300-hp. compound condensing engine. The entire plant will cost \$140,000. The circular storage tanks are 50 feet in diameter and 65 feet high.

Herbert MacNamee, of the Weir Commercial Co., Chicago, and Houghton G. Thomas, of Thomas & Co., Minneapolis, were elected members of the Chamber of Commerce the first of the month.

E. R. Moore, of the Northwestern Elevator Co., is visiting in Boston.

The receipts here have suffered a decrease of 740,000 bushels the past week.

D. A. MacDonald & Co., grain commission, are building a new 25,000-bushel elevator at Cannon Falls, Minn. The plant is to be equipped with a 16-hp. gasoline engine, dump and hopper scales, and Eclipse barley grader. The Eclipse grader is something new in this part of the country, and is regarded as quite an innovation. The cost of the plant will be about \$4,500.

The Spencer Grain Co. will build five 15,000 bushel houses on the Yankton branch of the C. M. & St. P. railroad. The cost will be about \$2,500 each. They will also install gasoline plants in place of horse power at Everly, Boyden and Fostoria, Ia.

The improvements and new construction which the Imperial Elevator Co. have been carrying on will all be completed about June 15.

Turner, Brenner & Co., the Anchor Grain Co., have recently purchased a lumber yard at Bellingham, Minn. Value, \$8,000.

The Minnesota and Western Grain Co. are building a 50,000-bushel elevator at Wilmar, Minn. The plant will probably be equipped with steam, since it will be necessary to have from 50 to 70 horsepower. It will be used mainly as a barley house, and will be modern in every respect. The house will contain 26 square bins. The Baker Lock Spout will be used. The company will build a line of small elevators, in the northern part of Minnesota, and in Dakota, about ten in number. They will be about 20,000 bushels each, and will be equipped with dump scales, all modern improvements and gasoline engines. Work will be commenced on them about May 15, and they are to be completed by August 15.

C. M. E.

MISSOURI.

R. M. Minter, of Minter Bros., grain dealers of Kansas City, Mo., is dead.

It is said an open Board of Trade is to be established at St. Louis to transact business after regular hours.

The directors of the St. Louis Merchants' Exchange have declined to countenance trading in privileges.

Bids for the demolition of the Union Depot elevator at St. Louis, Mo., are being taken by the St. Louis United Elevator & Grain Co. It contains no grain.

The proposition to make No. 2 hard winter and No. 1 northern wheat, as well as No. 2 red, a regular delivery, is to be voted on April 25 by the St. Louis Merchants' Exchange.

J. A. Brubaker & Co., Kansas City, Mo., write: We find that timothy hay is cleaned up, and that those who have it in the country are holding for higher prices, which undoubtedly will be obtained in the next ten days. Considerable prairie hay is yet in the country, but stocks are gradually being reduced, and if it does not come too fast our market will remain firm and possibly go a little higher.

NEBRASKA.

Sam L. Russell, of Lincoln, is no longer representing Daniel P. Byrne & Co., of St. Louis.

H. J. Roberts, Deweese, Neb.: Business has been very light, owing to partial failure of the 1899 crop.

Sol. Jameson is now representing Daniel P. Byrne & Co., of St. Louis, Mo., in Nebraska, with headquarters at Stella, Neb.

Diels Bros., of Scribner, Neb., are about to erect an elevator and will install modern machinery, including the Hall Grain Distributor.

The elevator at McCandless Siding, near Shubert, Neb., was burned April 3, with 6,000 bushels of grain. Loss, \$4,000; insurance, \$2,000.

J. W. Dickson, Dodge, Neb., April 9: Wheat and oats are all sowed; the ground is in fine condition; average acreage. Rain this morning.

J. W. Dickson, of Dodge, Neb., agent of the Nye & Schneider Co., informs us that H. Holstein is finishing a 10,000-bushel storage house for corn, with a feed mill in connection.

It has been erroneously stated that Mrs. K. A. Kehoe is the only woman in the grain business in Nebraska. This is a mistake. She may be the only woman in the business for fun, but Mrs. A. Hastie, of Auburn, is in the business for profit.

The Chesman elevator at York, Neb., operated by C. A. McCloud, was burned on the night of April 9. The elevator contained 18,000 bushels of wheat and 3,500 of rye. Loss on elevator, \$3,500; total insurance, \$3,000. Only three days before policies amounting to \$6,000 expired. The insurance which protects is kept in force all the time.

C. Kellner, Beaver Crossing, Neb., April 14: Winter wheat looks well, but only about half the usual acreage was put in, on account of the dry fall. Oats seeding is about all done. Farmers will start plowing for corn the coming week. The weather is fine. Very little corn is left in farmers' hands. The usual acreage of corn will be planted.

NEW ENGLAND.

John Dyer will establish a grain store at Knightville, Me.

Rumor has it that the Grand Trunk Railway Co. will build an elevator at East New London, Conn.

A. R. Manning & Co. will build a grain elevator at Yantic, Conn. The plans, prepared by Cudworth & Woodworth, show a building 42x96, having nine bins of 800 bushels capacity each. It will be of mill construction, with a gravel roof.

Edward P. Merrill, grain broker, Portland, Me., writes: The country trade has fair stocks of corn and oats; mud deep on the country roads. We look for a break in the price of mill feed when the flouring mills run full time, and the lake and rail lines run wide open. A weekly line of steamers will run from this port to Europe during the summer. Trade will be good here this summer.

NEW YORK.

The Boatowners' Forwarding Co., has been incorporated at Buffalo, N. Y., to transport grain and lumber on the Erie Canal and Hudson River. The company will begin business with a capital of \$10,000. The directors are Ira Betts, of Phoenix; Ira M. Rose, of Tonawanda; W. F. O'Rourke, Sr., and W. F. O'Rourke, Jr., Adam Homer and E. P. Smith of Buffalo.

Edward F. Cragin, of the syndicate which is about to erect elevators in New York harbor, says: "I am confident that

within two years elevators can be built there that will reduce the cost of handling grain in New York City at least 1½ to 2 cents a bushel and will overcome the differential in favor of other cities. Vessels that come here now with freight to discharge, and then go to other ports to load with grain, can then discharge their cargoes and load with grain cargoes here on as favorable terms as they can at Newport News or any other ports that have elevators.

NORTHWEST.

Fire of suspicious origin was discovered recently in the Cargill elevator at Hatton, N. D., and promptly extinguished.

A. A. Truax, of Alexandria, has taken the steam engine out of his elevator at Plankington, S. D., and replaced it with a horse power.

The Farmers' Elevator Co., Salem, S. D., which expects soon to build, has elected B. F. Chapman president and F. D. Moore secretary.

The Northwestern Grain and Produce Co. has been incorporated at Sioux Falls, S. D., with \$5,000 capital stock, by M. M. Hanson, J. H. Mortenson and T. C. Hanson.

A. A. Truax informs us that Walker & Mayer Bros., of Bridgewater, S. D., have purchased the elevators of L. N. Loomis at Emery and Chancellor, S. D., making three elevators operated by this firm. A. H. Betts has sold his 20,000-bushel elevator at Fulton, S. D.

Seeding of wheat is finished in many sections of the Northwest. On account of the good price of flaxseed and the low price of wheat the farmers are sowing more of the former and less of the latter.

J. E. Hyde informs us that the Atlas Elevator Co., of Minneapolis, has made some good improvements the past year in the Dakotas in the way of machinery and increased capacity. The company will also paint its houses.

A. Morrison of the St. Anthony & Dakota Elevator Co., Larimore, N. D., recently lost \$55 in a peculiar manner. He thought he thrust a roll of \$75 in bills into his trousers pocket, but accidentally shoved them into the trouser leg. The bills slid down and fell on the ground, and before they could be recovered the gentle Dakota breeze had swept them away. A friend picked up and restored \$20 to the owner.

Fire at Lesterville, S. D., on the morning of April 11, destroyed the plants of the McCaull-Webster Elevator Co., Minneapolis, and the Hunting Elevator Co., McGregor, Ia. The former lost 6,000 bushels of grain, fully insured. The latter rented the property to an implement dealer, and had no grain on hand. The fire was started by five sleeping tramps, of whom three were taken out alive and two dead.

OHIO.

Reynolds Bros., of Toledo, it is said, will sell their elevator at Chicago, Ill.

C. B. Brooks has bot the grain warehouse of Silas Strimble at Greenwich, O. Readers will confer a favor by reporting new elevators, new firms and business changes.

The Columbus Board of Trade will give a reception and banquet on the first Tuesday in May.

The opening of navigation will put considerable life into the grain trade at Cleveland, O.

J. C. Spahr, Clare, O., April 20: No wheat in this section. Ground mostly will be put in oats and corn.

Greely & Co. have bot the elevator of S. G. Chamberlain at East Liberty, O., and are doing a good business.

Strauss & Joseph, of Cleveland, O., contemplate the erection of a grain elevator on the Baltimore & Ohio Railroad.

B. Wannemacher has succeeded the New Philadelphia Milling Co. in the grain business at New Philadelphia, O.

L. A. Pugh, of Mark Center O., will soon take bids for the material and labor required to build his new elevator at that place.

J. C. Hickox has bot the Tunison elevator at Hull Prairie, O., and will give it a thoro overhauling, as well as add to the equipment.

The elevator and mill at Arlington, O., owned by Traucht & Eddick, were damaged by fire April 7 to the extent of \$3,000. Insured.

Albert Dill, Mason, O.: The growing wheat crop looks very bad in this section. I do not think we will have over 25 per cent of an average crop.

McCully & Miller have remodeled the mill of J. D. Morledge, at Carrollton, O., into an up-to-date elevator and warehouse with improved feed grinding machinery.

E. A. Grubbs and J. S. Hazelrigg have formed a partnership under the old firm name of E. A. Grubbs Grain Co., to conduct the grain and seed business at Greenville, O. The many friends of both parties wish them continued success.

Theo. B. Steinmann, Minster, O., April 12: The outlook for the next wheat crop is worse than for many years. Our farmers are confident they will not have enuf to do them for bread and seed.

Regular grain dealers of Ohio will profit by sending their names, addresses and capacities of elevators to the Secretary of the Ohio Grain Dealers Association, 358 North High street, Columbus.

A Richwood, O., correspondent states that the wheat crop has been badly damaged. A large per cent of the acreage is being put in oats and more will be put in corn. The crop will not be one-fourth in that section.

Patty & Coppock, formerly connected with the Myers & Patty Co., Pleasant Hill, O., have succeeded W. H. Adlard, Fletcher, O., taking possession April 9. The firm will ship grain and seed, and handle flour, feed and coal.

J. G. Watts, Hoskins, O., April 9: Wheat in this section looks a little better than a week ago. I think with good, warm rain it would show how much could be left standing. At least 25 per cent will have to be plowed up.

J. G. Hunter, of Drusilla, O., will enlarge his elevator and put in steam power in place of gasoline. An additional story will be placed on the building, giving capacity of eight cars in place of four. A wheat cleaner will be put in; also a larger sheller and another stand of elevators.

PACIFIC COAST.

Grain bag orders at the Walla Walla, Wash., penitentiary exceed the capacity of the institution.

The Northern Pacific Railway Co. has leased three large wheat warehouses at Tacoma, Wash., to C. W. McNear & Co., Balfour, Guthrie & Co. and Kerr, Clifford & Co.

It is said the directors of the prison at San Quentin, Cal., have raised the price of

grain bags half a cent, on account of the increased expense caused by employing relatives of the Governor at fancy salaries.

P. W. Lawrence, former state grain inspector, will remove from Garfield to Pullman, Wash., to engage in the grain business on a large scale. He has bot four warehouses on the N. P. at Pullman, Moscow, Granite Point and Genesee.

G. N. Salisbury, of the Washington section of the government crop bureau, in his bulletin of April 10, reports that fall wheat is in an especially flourishing condition. It is well stooled, of good stand and color, heavy growth, and probably a month earlier than a year ago.

Hyppolite Dutard, grain and produce Merchant at San Francisco, Cal., died April 15, of Bright's disease. For 40 years he was closely identified with the commercial interests of the city. He practically controlled the bean trade, and his operations in cereals were on a very large scale; in fact, his devotion to business undoubtedly hastened his end. He was a member of the Produce Exchange and had served several terms as director and treasurer.

A. G. McAdie, of the California crop bureau, in his report of April 16, says: "In nearly all sections north of the Tehachapi grain and hay are still making favorable progress; wheat is heading out in many localities, and prospects continue excellent for heavy crops; haying has commenced in some sections, and will soon be general; some late reports state that the yield of hay will be lighter than estimated. The wheat crop in Southern California is said to be beyond redemption, and many large tracts of early sown, as well as much of the later sown, will be complete failures; a good quality of hay is being cut, but the yield is light."

PENNSYLVANIA.

The produce men of Pittsburg are agitating a movement to join the grain exchange.

Amos W. Twining, an old member of the Philadelphia Commercial Exchange, and of Twining Bros., grain dealers, died recently aged 72 years.

Safe breakers entered the grain and feed store of Charles Heebner & Co., Philadelphia, Pa., on the night of April 13, but were frightened away after drilling a hole in the safe.

Hamilton Markley, at one time superintendent of the grain depot and assistant superintendent of the Merchants' Warehouse Co., Philadelphia, Pa., died of apoplexy April 4, aged 46 years.

R. S. McCague, Pittsburg, Pa., writes: The rate issued some time ago by the Central Elevator Co., of this city, of \$3 for weighing grain, has been of great benefit, both to the railroads and the dealers, and is being liberally used. The trade is being quickly educated and is experiencing great benefit in getting official weights.

SOUTHEAST.

An elevator will be built at Lenoir, N. C., by Moore & Lentz, millers.

King, Scruggs & Co. write that Wisner & Co., Memphis, Tenn., have a new elevator.

The Louisiana Rice Milling Co. has been incorporated to operate a rice mill at Jennings, La. Capital stock, \$30,000;

incorporators, Charles D. Bonnin, Desire Richard and others.

The Union Rice Milling Co. has been incorporated at Crowley, La., with \$50,000 capital stock.

An elevator is to be built at Bruceton Mills, Va., in connection with the flour mill of E. Bughly.

The recent assignment of John L. Rogers, of John L. Rogers & Co., grain exporters of Baltimore, Md., is individual, and does not affect the firm.

While working on the Chesapeake & Ohio elevator at Newport News, Va., April 12, J. W. Cross fell a distance of twenty feet and broke both legs.

King, Scruggs & Co., Memphis, Tenn., April 23: Crops are backward; caused by the heavy rains; good deal of spring corn plowed up and replanted; cotton backward in planting; wheat looks well over all the state. We have just returned from a trip over the wheat section. Big crops are expected, with a big yield. The grain trade is dull, but has been good up to the present.

Henry Heile & Sons, of Cincinnati, O., have leased the elevator at Latonia, Ky., on the L. & N. R. R. The plant has stood idle since it was erected seven years ago by the defunct firm of Morgan & Dye. The new owners will take out all the old machinery and replace with new and modern clippers, cleaners, dryers, etc., besides putting in complete milling machinery for making corn goods. With its 300,000 bushels' capacity this house makes an important addition to the facilities of the firm, who already control five warehouses in the vicinity of Cincinnati, at that place and Covington, Newport and Milldale, Ky. To the elevator they will add soon a hay warehouse of 200 cars capacity.

SOUTHWEST.

The El Reno Mill and Elevator Co., of El Reno, will build an elevator at Ripley, Okla.

Smyser & McCormick, Perry, Okla., April 12: Wheat prospects fine. Light frost may hurt fruit.

The honor of shipping the first car of grain over the new railroad from Stillwater, Okla., caused a spirited contest between W. T. Dalton & Co., of Stillwater, and Coyle & Guss, of Guthrie. One farmer was paid 7 cents above the market to get his wheat in on time.

TEXAS.

W. E. Werkheiser is building an elevator at Temple, Tex.

A rice mill is to be built at Port Arthur, Tex., it is said, by A. Cooley, of Osceola, La.

The contract for a 600-barrel rice mill has been let by Gustavus A. John and others of Houston.

The annual meeting of the Texas Grain Dealers' Association will be held May 15 and 16 at Fort Worth.

Texas is beginning to develop rice fields and rice is being planted in all Gulf counties of Texas, as far west as sixteen miles west of Houston.

Emil Dupre, rice broker of New Orleans, informs us that two new rice mills will be built at Houston, and one at Beaumont, Tex., this season.

The burned elevator at Fort Worth, Tex., occupied by Campbell and Urquhart, was owned by Mrs. Mark Evans, whose husband built it some years ago. The building, machinery, electric motors and grain were valued at \$30,000. The

lessees had in store 15,000 bushels of wheat and 10,000 bushels of oats. Their insurance covers about half their loss.

Dale & Powell, Bartlett, Tex., April 19: Our outlook for crops is good. Wheat, oats and corn are looking well, and we expect the cotton acreage to be large.

The Meridian Mill and Elevator Co. has been incorporated at Meridian, Tex. The capital stock is \$15,000, and the incorporators are J. J. Lumpkin, John E. Rahl and others.

The dust collectors, seven in number, and furnace feeds for the new elevator of Charles Orthwein's Sons, at Fort Worth, Tex., will be furnished by H. L. Day, of Minneapolis, Minn.

E. H. Crenshaw, Fort Worth, Tex., writes: The elevator of Campbell & Urquhart at this place was destroyed by fire on the evening of April 17, with the total loss of everything. Insured.

E. H. Crenshaw, secretary Texas Grain Dealers' Association, Fort Worth, Tex., April 19: Our crop prospects are at this time very promising for wheat, corn and oats, and if present promises are realized we will have abundant harvests. The acreage in wheat is considerably increased over last year, while the acreage in corn and oats is about the same as last year, with possibly a slight increase in the acreage of oats.

Fire originating in the ear corn bins totally destroyed the large corn sheller plant of J. T. Stark & Co., at Plano, Tex., on April 4. Their electric lighting plant adjoining was also destroyed. Loss about \$9,000; no insurance. This plant was considered the most complete and best arranged in the state, and one in which the fire hazard had been reduced to the minimum. Apparatus for fire protection was ample about the premises, but for lack of sufficient water pressure this was useless. The firm's plant was burned once before, October 6, 1899, and its new establishment had been in operation only about four months. It has not been decided whether or not they will rebuild.

A circular has been mailed to a number of Texas dealers, under date of April 23, by one signing himself "Grain Dealer," in which he states that, "Some of the Texas railroads are making a strong effort to change the executive management of the Texas Grain Dealers' Association at the coming annual meeting, May 15 and 16." It is to be regretted that there should be any antagonism to officers who have served their association so well. They were elected to serve the association and the business interests of members, not the railroads. Altho the favor of the railroads is much more to be desired than their opposition, still dictation by them in association matters should not be tolerated.

WISCONSIN.

James A. Bryden is the new president of the Milwaukee Chamber of Commerce.

C. W. Snider has succeeded M. L. Jenks as manager of the Nye & Jenks Co.'s interests at Milwaukee, Wis.

The Northern Grain Co.'s elevators at Manitowoc, Wis., are loading vessels daily for Frankfort and Ludington, Mich.

J. S. Smith, of Pardeeville, Wis., will erect a grain elevator costing \$5,000, and for which C. H. Williams is making the plans.

J. Barney Guenzius, of La Crosse, Wis., died April 14, aged 72 years. He had been in the grain trade for 35 years, and for the greater part of that time con-

nected with the W. W. Cargill Co. His son, Walter, has charge of the Cargill plant at Green Bay.

The Amenia & Sharon Land Co., of Amenia, N. D., will improve its Elevator R at Superior, Wis., and also erect an annex to increase the capacity from 35,000 to 100,000 bushels.

The Nye & Jenks Co., of Chicago, has leased the new elevator of the Omaha road at Superior, Wis. This house is very well equipped, and its capacity is 1,200,000 bushels. B. L. Simonds, who has had charge of the company's plant at Washburn, has been promoted to superintend its latest acquisition. M. L. Jenks will have charge of the branch office just established in the Duluth Board of Trade and will be in the market for coarse grains.

SEEDS.

The Seedsmen's League held a meeting at the Astor House, New York, April 10.

C. A. King & Co. report the receipts of clover seed at Toledo during March as 17,000 bags, against 24,000 during March, 1898, and 11,000 during March, 1899.

Southworth & Co., Toledo, say, April 21: The next week or ten days will probably wind up the important shipping demand for clover seed, and then the season will be practically over.

In the case against W. A. D'Alemberte at Pensacola, Fla., charged with selling seeds not labeled with a guaranty showing where and by whom grown, as required by an act of the Florida legislature of 1899, Judge A. C. Blount has decided that the act is unconstitutional because it seeks to regulate interstate commerce.

Alex. Rodgers, Chicago: This season has not proved a very satisfactory one in grass seeds generally. The 1899 crop of clover was very light; but literal stocks carried over from previous years have kept prices moderate. The crop of timothy has been large, and above average in quality. Hungarian is a fairly large crop and prices thus far have ruled low. Millets are in active demand and prices firm.

J. F. Zahm & Co.: One thing is certain, the available stocks of No. 2 clover seed in the Toledo market are very small, even tho the receipts continue to show larger than any one expected. The aggregate for the week ending April 21 is about 1,090 bags, as compared with 854 bags year ago. The country ought to be pretty bare of seed by this time, and have made a general cleaning up. If such is the case then Toledo ought to dictate the price to tardy buyers.

We are receiving more complaints, most of them coming from Ohio, altho we are getting many from Indiana. Nearly all of our Ohio letters now say that farmers are plowing up their clover. Ohio is the largest producer of clover. With seed so well cleaned out of the country as it is now, and the prospect for the new crop, October is not high at prevailing prices, altho, of course, it may not make a man money to buy it. In fact markets do not always go up and down according to conditions. We have seen years when crop prospects were miserable, stocks were light, and wheat, or whatever the article was, has declined. It seems to be a question nowadays of buyers and sellers. If there are more of one than the other the market goes that way.—Zahm's Circular.

THE SUPPLY TRADE

The Ontario Grain and Seed Separator Co., of Guelph, Ont., has been incorporated with a capital stock of \$40,000.

Strong & Northway Mfg. Co., Minneapolis, Minn., will move April 25 to new and larger quarters at 251-253 Third Ave. So.

Sims Bros., Paris, Ill., write: We are having great success with our adjustable elevator dumps, as they are just what all grain dealers and all who are interested in the grain business want.

The Washington Machine Co. has been incorporated at Walla Walla, Wash., by W. G. Cordiner, H. E. Johnson and W. G. Sharpstein, with a capital of \$50,000. This company will manufacture the Du-vall Seed Cleaner.

Honstain & Co. is the name of a new firm of elevator builders which started in business the first of April in Minneapolis, Minn. The members of the firm have been in this line for many years, and have made many friends in the grain trade.

The American Cushion Elbow Co., of Jersey City, N. J., has been incorporated under the laws of New Jersey, with a capital stock of \$100,000. The company will manufacture conduits for transmitting grain. The incorporators are C. P. Benjamin, R. G. Stedman and C. E. Souther, all of Jersey City.

The W. A. Jones Foundry and Machine Co., Chicago, has recently purchased the old plant of the Chicago Steel Co., at North Ave. and Noble St., and the buildings are being remodeled to accommodate the growing business of the firm. The power for operating will be electricity, and it will be distributed to power motors.

Fred L. Cranson, Secretary of the Huntley Manufacturing Co., Silver Creek, N. Y., was in Chicago this week and reported that during his twenty years connection with the Monitor Cleaner Works, they have never been so busy in April. The volume of business done during 1899 was nearly 30 per cent greater than any preceding year.

The Dallas Mill and Gin Supply Co., Dallas, Tex., writes: We built quite a number of elevators last season, and think the prospects in this state for the coming season are better than ever before. We have recently moved into new quarters at the corner of Elm and Market streets, and are well equipped for promptly attending to our constantly increasing business.

Ware & Leland, Chicago, Ill., have issued, under date of April, 1900, a pocket edition of Our Red Book Annex, which contains valuable statistical information relating to grain, seeds, stocks, cotton, provisions and live stock. Besides, it contains the new commission rules of the Chicago Board of Trade, a few hints on how to speculate and a number of ruled pages.

J. J. Gerber, Minneapolis, Minn., manufacturer of Gerber's Improved Distributing Spout, the Emery Flexible Loading Spout and elevator spouting of all descriptions, will build a new brick building 40 x 80 to accommodate his increasing business. The new building will be located at the old stand, 128 6th Ave., So. For the present Mr. Gerber is conducting his business at 122 6th Ave., So.

R. J. Moulton, who is a foreman elevator builder for the Barnett & Record Co., Minneapolis, Minn., is the inventor of the Haven Overflow Indicator. This indicator consists of a metallic plate which is

placed in the spout in such a manner as to cause an overflow when the bin is full. As soon as the overflow of the grain commences it works a lever, which makes an electric circuit and a bell rings on the working floor or in the office of the elevator, thus signaling the operator.

The annual meeting of the stockholders and directors of the Marseilles Mfg. Co., Marseilles, Ill., was held April 11 and the following officers were elected: J. Q. Adams, President; H. R. Adams, Vice-president; C. H. Adams, Secretary and Treasurer; H. B. McKahin, Assistant Secretary and Treasurer; A. T. Adams, superintendent. The sales for the past season were the largest in the history of the business of the company, and the general results of the year were entirely satisfactory to both directors and stockholders.

The Joseph Dixon Crucible Co., of Jersey City, N. J., makers of Dixon's Silica-Graphite Paint, which is designed espe-

DENTON BROS. ELEVATOR AT DOUGLAS, NEB.

Of the new elevators recently erected in Nebraska that of Denton Bros., at Douglas, is a good example of the up-to-date country elevator. Located in the good corn country in the southeastern part of the state, in Otoe County, on the Crete branch of the Missouri Pacific, it was necessary to provide for the handling of shelled corn principally, with some oats and wheat.

The engraving given herewith shows the convenient location of scales, office, power, driveway, storage bins and side track. The storage capacity of 10,000 bushels is divided among six bins, there being an additional shipping bin. A partition divides the dump sink, of 500 bushels capacity, so that two kinds of grain can be received. One stand of elevators with 7x12-inch buckets suffices to elevate 1,400 bushels per hour, power being sup-



Denton Bros. Elevator at Douglas, Neb.

cially to protect tin roofs and iron siding, now have quite an extensive organization stretching far and wide. There is the works and main office in Jersey City, the American flake graphite mines at Ticonderoga, N. Y.; control of the product of the Bavarian graphite mines in Austria and a cedar wood plant in Florida. Each place is equipped with a large steam plant and elaborate factory equipment. The selling organization is an army of travelers going all over the United States, South America, Europe and Asia; a salesroom at 68 Reade St., New York; one at 1020 Arch St., Philadelphia, a third one at 308 Market St., San Francisco, a fourth at 26 Victoria St., London, a headquarters for salesmen at 1316 Monadnock Block, Chicago, and another at St. Louis.

Consul Fee of Bombay ascribes the famine in India to lack of rains. The population in the famine area proper is 40,000,000. Scarcity and distress prevail, but to a less extent, in an area inhabited by 21,000,000. The number of persons receiving relief April 2 is given by the viceroy as 4,870,000. Fortunately the rice crop of Burma and Bengal has been good. The present spring harvest on unirrigated land occupies little more than half the area sown in either of the last two years.

plied by a 5-h.p. Webster Gasoline Engine, which is housed in the 10x12 addition adjoining.

The scale beam is mounted in the office at the windows overlooking the platform. The office is 10x14 feet, with its floor 3 feet 10 inches above the scale platform and 8 inches lower than the dump floor, which is 10 feet wide. The main building is 22x26 feet, and 41 feet high from foundation to ridge of roof, with 22 feet posts. This elevator was designed and erected by M. J. Travis of Atchison, Kan., who makes a specialty of designing and erecting grain elevators.

Rice exports during the eight months ending with February were 2,489,207 pounds; against 487,963 pounds in the corresponding period of 1898-9. The exports during the month were 1,633,946 pounds; against 31,098 pounds during the preceding February.

Chas. D. Snow & Co.: It is not acreage seeded but bushels threshed that feed consumers. Owing to low prices for wheat there will be a large spring area turned into flax and coarse grains. We believe the present bearish sentiment is temporary, and that as the season develops the price of wheat will advance.

ANNUAL MEETING OF NEBRASKA GRAIN DEALERS,

The annual meeting of the Nebraska Grain Dealers Association was called to order by President Geo. S. Hayes, in Creighton Hall, Omaha, at 10:40 a. m. Wednesday, April 11, 1900.

Mr. Hayes said: "I presume the small attendance is to be accounted for by the fact that many of the dealers are over at the Board watching the market. I have the pleasure of introducing Mayor Moore of Omaha."

The mayor welcomed the dealers and extended the freedom of the city to the visiting dealers.

President Hayes thanked the mayor for his words of welcome and expressed satisfaction in the association selecting Omaha as its headquarters. "As our meetings are principally devoted to business I think it would be well to select a Committee on Nominations to report at the afternoon session. It would be well for the committee to bear in mind that it will be advisable to select one from each railroad. I will appoint on that committee C. F. Iddings, North Platte, chairman; J. P. Hume, Madison; W. B. Banning, Union; L. Spelts, David City; and A. H. Purdy, Phillips.

President Hayes: I understand that Mr. Graham has something to say to the members. If he is here we will be pleased to hear from him.

Mr. G. L. Graham, of St. Louis, read a paper on Moisture in Corn, from which we take the following:

MOISTURE IN CORN.

Corn contains moisture according to conditions of atmosphere and temperature about as follows: when growing and nearing maturity, in the milk 50 per cent; at maturity or gathering time 24 per cent, sometimes as high as 30 per cent; when partly cured, or about the time farmers usually begin hauling their new corn to market, 18 per cent to 20 per cent; about the time of the first hard freezing fall weather 16 to 18 per cent, and so remains in that condition, usually designated as frozen dry.

The moisture remains in the corn in a congealed or frozen state until the advent of warm spring weather, when it again begins to give off moisture according to atmospheric conditions, until fully cured, when the moisture is reduced to 12 per cent to 14 per cent. Corn usually gives off the greatest amount of moisture beginning with the warmer weather of spring, say in April up into June, (the so-called germinating season) usually from 16 per cent to 18 per cent, down to 12 per cent to 14 per cent, a loss of about 4 to 6 per cent, and will so remain during the hot weather, say June 1st to November 1st, seldom going below 12 per cent. With the beginning of damp heavy fall weather, corn will begin taking up moisture according to weather conditions, up to say 14 per cent to 16 per cent, until the usual freezing winter temperature congeals or freezes the moisture again (commonly called frozen dry) and then repeat conditions as to moisture as first described.

Hence he is a wise farmer who markets his corn in the ear or on the cob immediately after maturity or as soon thereafter as possible, if price obtainable is satisfactory, so as to have it weighed while containing from 18 per cent to 20 per cent moisture, and continues marketing his corn as fast as possible up to and including the cold weather, when corn is usually called frozen dry. The shipper who buys the early deliveries of corn in the ear at 70c per bushel, and shells and ships after the warm weather the following spring, usually has a heavy shrinkage. I venture the opinion that early purchases of ear corn, at 70c per bushel at maturity, cribbed and carried over, shelled and shipped the following summer, during August and September, the shrinkage in corn and cob usually runs from 20 per cent to 33 1-3 per cent.

My advice to shippers is to hurry to market all corn you have on hand that you contemplate shipping before summer to avoid the usual 4 to 6 per cent shrinkage from April 1st to June 15th, which, with corn at 30c per bushel, would indicate a loss of 1 1-5c to 1 4-5c per bushel or \$1.20 to \$1.80 per 100 bushels, necessitating an advance in price of 1-4c to 2c per bushel to hold you without loss if shipped after June 1st.

Why does ear corn usually keep? Because if properly cribbed, cribs being well protected from the elements, roof sides and ends and a suitable distance from the ground (not less than two feet) and I would recommend a width not exceeding

eight feet. You have free circulation of air around each ear or nearly so, and as indicated further on, allowing free and full capillary action and more especially through the light pith in center of cob which is, by nature's own formation, connected directly through the more horny substance of the cob with each kernel, thereby forming an avenue of escape for all excessive moisture not given off through the outer ends and sides of the kernel. Corn can only be properly cured on the cob. But do not forget to figure on the amount of moisture already contained in the cob itself in the case of fresh gathered corn in addition to the moisture in the corn itself when calculating shrinkage on cribbed corn.

Shelled corn arriving at market centers usually contains moisture as follows: No. 2 corn, from 12 to 16 per cent; No. 3 corn, from 14 to 18 per cent; No. 4 corn, from 16 to 20 per cent. Moisture in corn is contained in each of the numerous starch cells or globules throughout the corn, from the extreme outer parts to the center, and can only be given off thru capillary action, caused by free circulation of air, for a suitable time at and around the outer surface of the grain as a dry sponge would take up moisture. Say, with suitably heated air in about eight to ten hours without injury to the grain. By suitably heating air, its moisture absorbing qualities are largely increased, quite a saving in time, as under favorable conditions, a much longer time is required if the air is not heated. About 13 cubic feet of air contains 1 per cent moisture when fully charged. Air at 60 degrees is capable of absorbing 3 per cent of its own weight of moisture. Air at 160 degrees, is capable of absorbing 22 per cent of its own weight of moisture.

I claim that many so-called grain driers, that are guaranteed to dry grain perfectly in from five to twenty-five minutes are to put it mildly, an imposition on the grain trade and that their very principles are detrimental to correct grain drying without injury to the grain. I say to my friends, go slow when buying a grain drier, as the so-called quick process grain driers do not absorb the moisture, but by the quick application of an excessive degree of heat, does in most cases set the oil of the germ free, causing the corn to be colored or blackened soon, and the second or inner membranous skin of the corn to coagulate, thereby searing same or hermetically sealing the entire second skin, of course heating the hard thick outer skin until it appears dry and is dry on the outside only for the time being, but all the moisture is contained within the hermetically sealed inner skin, and will remain so contained until said seal is broken, possibly one to six days, when the moisture will, by capillary action, appear on the surface.

Soft or damp corn may be run through so-called driers really inspected on a liberal inspection No. 2 corn, but oh my the condition of that very same No. 2 corn a week or two after! Ask any grain man who owns a quick process grain drier, who has carried corn in elevators or on vessels after drying. Ask the promoters or agents of the so-called grain driers, why they have a cooling process immediately following their drying process, and why a dry substance has to be cooled.

To dry grain successfully, without injury to the grain, air and air only is the medium, and as I said before, to increase the absorbing qualities of air, and to save time, I find that suitably heated air not to exceed 160 degrees is an advantage, but then it takes time, and the grain should be continuously agitated or moved to equalize the exposure to the heated air, varying from six to twelve hours, according to conditions of the grain and atmosphere. If any of my friends of the grain dealers here assembled are interested and desire further information on the subject of grain drying, I would be pleased to meet them relative to same, as I am familiar with the subject.

To test moisture in corn, take a small amount of shelled corn, about one pound, grind it fine, (a coffee mill will do) weigh ground corn very accurately on a small true delicate scale immediately after grinding. Place on a small dish or pan covered with blotting paper in an oven suitable for baking bread, (better set dish or pan on one or more bricks to avoid burning) let it remain in the hot oven with door open to admit of free circulation of air about three or four hours. This excessive heat would damage the corn, but in a test for moisture, damage to the corn does no harm. Remove and weigh accurately to obtain the exact loss of shrinkage. Replace in oven again for one more hour, then remove and weigh accurately again, and if there is no additional loss of shrinkage, you will know that the moisture has all been given off. If an additional loss of shrinkage is shown at the second weighing after drying, replace in oven again for another hour, reweigh and repeat until there is no further loss or shrinkage. This will give you the exact figures, provided you have weighed accurately each time. The better way to weigh is to get the exact tares or weight of dish or plate, say 1-2 pound, then add 1-2 pound ground corn or meal, weigh gross meal and dish, say 1 pound so as to avoid emptying dish and spilling meal when weighing after or during drying process.

W. H. Chambers, of Chicago, ex-secretary of the association, was called for and complimented the association on its

phenomenal growth and success. I call to mind the meeting of grain dealers at the Lindel Hotel, Lincoln, three years ago for the dissolution of the third association the dealers of the state had attempted. Reorganization followed immediately and has resulted in remarkable success. I thank you for your attention and wish you every success.

A. H. Bewsher, secretary-treasurer, read his annual report, from which we take the following:

SECRETARY'S REPORT.

It is with pleasure that I submit to you this, the second annual report since the reorganization of this body; a pleasure because of the marked progress that has been made by this association since its revival. Previous to April, 1898, the position occupied by the N. G. D. A. was an insignificant one indeed. Today it stands as a working model for almost every other grain organization in the country, and many trade organizations in other lines of business as well. Attend a meeting of any other local or state association, or pick up a trade journal reporting same, and you will find therein, nothing but the loudest words of praise for our institution as a body and for the capabilities and possibilities that we have discovered in the work. Many times, when attending meetings of other Associations have I wished for the presence of some of our Nebraska members, especially those who are given to wondering what good the association has done them, that they might compare their conditions with the condition of others. It is true, there is much that can still be done by us; there are some things that have been left undone but only for causes that would produce greater good and would be farther reaching in their distribution of benefits. Did your association undertake to right all wrongs, and all evils, it would at times, require ten secretaries instead of one; in fact, there are certain sections, even certain dealers for whom it would be necessary to have individual secretaries to keep them straight, and hence it becomes necessary at times to use discretion in handling matters submitted to this office and to discriminate in favor of those questions of the most moment to the greater number of members.

Local Meetings.

Since our last annual meeting, two new divisions have been organized, namely Wahoo and the territory immediately south of Lincoln. This gives us 16 local meetings regularly organized and held whenever sufficient encouragement is given justifying the call. This practically covers the entire grain producing portion of our state. In addition to these, many special meetings have been held at various points where thought desirable and of benefit. Of the older divisions, Beatrice which was reported a year ago as indifferent, has been revived and two or three very successful meetings held. The other divisions with one exception have responded to meeting calls fairly well, although it has taken a greater effort to induce a majority to attend than during the previous year, owing no doubt to a more settled condition now than then.

Storage.

At all division meetings held during the year the question of storing grain for the farmers with or without compensation has never been lost sight of, and I feel safe in saying that the results of this agitation has been most gratifying to the members. As far as I am able to learn, I believe there is not 5 per cent of the members of this association now storing grain for farmers, hence this practice has almost become a dead-letter in the Nebraska trade.

Written Contracts.

Another matter that has occupied the attention of these meetings is that of taking written contracts from farmers for grain sold for future delivery. At our last annual meeting, this matter was discussed and it was disposed of with the understanding that those present would use their best efforts in pushing the written contract question. Since then, I have found many, who if they were present at that meeting, either did not vote at all or voted in the affirmative, who have objected decidedly to insisting upon written contracts. Notwithstanding this, however, I believe we have made very good progress in this particular and that there is today in the neighborhood of 65 per cent of the dealers using their best efforts to obtain these written contracts, though sadly handicapped by these other 35 per cent, who for some reason, refuse to insist upon them. As the matter has now been tried a year and its advantages or disadvantages have had perhaps sufficient opportunity of demonstrating themselves, it might be well to take the matter up again today and arrive at some more definite understanding than last year.

Docking Wheat for Dirt.

An improvement introduced during the past year and that has occupied the attention of the various division meetings; one that became a ne-

cessity because of the poor condition of the wheat crop of the past season, was that of docking wheat for the amount of dirt it contained. When this wheat first came on the market, many conservative buyers, seeing the necessity for some new manner of handling this dirty crop, were anxious to adopt a system practiced largely in the northern country, that of sieving samples to determine the percentage of dirt and deducting this dirt from the wheat and paying only for the wheat. This was taken up in the various divisions, with the result I am happy to state, that north of the Platte, the custom is almost universal. Many who objected to it strongly in the beginning, are now loudest in its praise; even the farmers in many instances preferring the sieve to the grain dealer's guess. South of the Platte, this question was introduced but was never as heartily entered into by the dealers in that section as in the North Platte country. As a great deal of experience has no doubt been gained through the past year's trial of this manner of handling wheat, I would suggest that this also be taken up and discussed before the meeting adjourns.

Internal Revenue Tax.

A matter in my opinion should also claim your attentions is that of Internal Revenue tax. Last fall, Int. Rev. Com. at Washington rendered a decision that was intended to benefit country grain and cotton dealers, but because of the conditions imposed, it has not fulfilled those intentions. After notifying you of this decision and learning the objectionable features which handicapped its use, I took up with Congressman Mercer, and asked the Secretaries of the Kansas Association, S. W. Iowa and N. W. Missouri Grain Dealers Union, N. W. Iowa Assn. and the Illinois Assn., to use their influence with one or more Congressmen from their state, with the end in view of having eliminated a clause embodied in this decision that hampered its practicability. After receiving replies from Congressman Mercer and some of the Secretaries mentioned, the matter rested and has gone no further. Other associations in their recent meetings have seen fit to pass resolutions praying for relief from this unjust and altogether unreasonable tax as far as it regards country grain dealers. In my opinion, if the dealers of this association would individually write the Congressman from their district, asking him to use his influence in this matter, now that the internal revenue tax is before Congress, some good might result. The decision in its present form is no better than the original law. From what I have been able to learn, there is about 35 to 40 per cent of the dealers using a grain ticket without stamp, and the balance or 65 per cent are still stamping their checks.

Membership.

As this report is made you we have in good standing 299 members representing 666 elevators. At one time during the past year we had a representation of 680 houses but have since lost some 25 because of the crop failure in southwestern section. Notwithstanding this our present elevator representation has been increased by 122 houses or a net gain of 22 per cent over report made you a year ago. There was during the year 81 applications accepted. During the coming year our gain must necessarily be somewhat slower because of the lack of material. There is in Nebraska, about 900 elevators; 100 of these are situated on the outskirts or so far away that we could do little for them and they have little use for an association. This would leave a possible 800 houses that we might obtain, and as we have already 666, you can readily see that we have almost exhausted the material at hand. Our losses for the past year were caused principally through suspension for non-payment of dues and withdrawals from business. In many instances we recovered houses lost by their changing hands, when the new operator began business. The plan of suspending members when dues were six months in arrears was found necessary to insure us a healthy and stable financial condition. It was thought preferable to have fewer members all in good standing than a large membership with an accompanying large delinquent due statement. Our outstanding dues at the present time amount to less than \$50, which is I am sure, a showing unprecedented in grain association finances.

While upon this subject, I would call your attention to the fact that while the majority of the line houses are listing their entire line with us as is required by our Constitution and Bylaws, there are two or three such line houses that are not, and whom it has been impossible for me to induce to list their entire line. This is not just to the other line houses, nor even to the individual dealers; they are receiving just as much benefit at every point from the association, and they should, in my opinion, feel willing to pay their just proportion of the expense.

Bulletins.

During the year there was issued 5 general bulletins, 3 crop reports and 4 confidential bulletins, making a total of 12 in all, or an average of one bulletin per month. Our crop report has, I believe, proved itself even a greater success and of greater value than even those issued last year, especially is this true of Crop Report No.

4, the last issued. Of the many estimates made by the Government or private statisticians ours has reflected nearer the true condition of crop results as verified by shipments and present reserves than has any other.

With reference to the Confidential Bulletins, I regret to say that notwithstanding the care and trouble taken to advise the regular dealers as to who are and who are not their friends, I have found two or three regular dealers and members of this association, who have been guilty of continuing shipments to firms bulletined and encouraging scalper business and who even after being remonstrated with, have continued to do business with these firms. While there exists within our body a member showing so little regard for the welfare of the regular trade as to encourage those who are using their might and main to destroy that regular trade, it will be a hard matter for us to show these friends of scalpers that we are associated together for business and not child's play. Time and again when I have solicited the assistance of the bidders in discontinuing bids to scalpers, have I been met with the statement, "It does not make any difference to the country generally who I bid so long as I offer a little more for the stuff than the other bidders; I can buy from them even though they may know I have been guilty of bidding scalpers." With this impression current, and I regret to say there are some dealers who encourage it, it will be a hard matter for your Secretary or anyone else to fulfill the objects of your association. It is your duty to the association, the moment you receive one of these confidential bulletins, to keep the firm's name constantly before you and refuse to do business with him or base your price on any card bid received from him until he shows the disposition to protect the branch of trade of which you are a part,—the regular dealers.

Complaints.

During the past year, there were filed with this office 257 complaints, or 73 greater than that filed the previous year. Of these, 126 were against firms bidding scalpers; 44 with reference to local differences.

In addition to these claims, there were 87 miscellaneous ones filed, made up of differences between competitive towns, differences between receivers and shippers, a few shortage complaints, requests from neighboring associations asking our assistance in matters beyond their control, and others. There was adjusted at local meetings, many disputes and differences of which no note was made, yet all of which added its mite to the comparatively harmonious condition in the country. Incidentally I might speak of a matter here that is worthy of your attention. There are many dealers, who having trouble of some nature at their point, fail to report it, but instead, complain of the inefficiency of the association. Now I am sure that those dealers cannot expect me to have knowledge of their trouble unless they or some one else report them, and unless I am notified, you have no complaint against the association to make. Our association embraces now almost 700 elevators and I am sure you will agree with me that these 700 will keep any one sufficiently busy without his traveling around the country purposely to dig up your trouble. If you will report any grievance you may have, and promptly, then use a little patience and remember that there are others whose troubles are equally as important as yours, your affairs will be given attention and to the best of my ability. Do not allow a condition to exist for months without reporting it, and then when you do bring yourself to report it, expect that I should take the next train to your point. This is an utter impossibility, partly because the success of the trip will depend upon the presence of all parties interested, and it is necessary for me to make sure that they will be present before starting. Another necessity is a thorough knowledge of all conditions, not only that as received from you, but the other fellow's version of it as well. Then again, there may be other engagements listed that were received before your complaint and hence demand attention first. There has been times during the past year when it has seemed almost an impossibility to give satisfaction to all concerned, but I am glad to say that these times have been few. I have done the very best that I possibly could, giving each matter its turn as reported, and believe I have not overlooked a complaint filed by any one.

During the past year, at the recommendation of the Secretary, the Treasurer's bond was increased to \$2,000 to insure you ample protection for the funds of the association in his hands. We accumulated a little money during the year and now have a surplus greater I believe than that held by any other association. It is not the intention to accumulate or amass an unreasonable surplus or reserve fund, but only an amount sufficient for emergencies needs; that there may be no extra assessments made upon the members in future years, nor an occasion compelling an increase in dues. A healthy financial condition is always an indication of prosperity, and I believe I am safe in saying that this Association has prospered far beyond that of any other association in the country during the past year.

Dues.

It is with pleasure that I call to your notice the fact that during the past year it has been

again possible to reduce the cost of the association to the individual members. On the third quarter of 1899, a reduction was made from 60c to 50c per month, thereby making a saving of \$1.20 per year per elevator.

Legal Advice.

During the early fall, we had a complaint filed against a scalper that was a little peculiar in its nature. This party owned and operated an elevator but had no track facilities. He had made application to the railroad companies for a lease but they saw fit to refuse him believing their point already well enough taken care of with three elevators in operation there and on their right of way, notwithstanding their objections, he erected a house uptown. When he began making shipments, complaint was filed with me, and I believing him to be nothing more than an ordinary scalper, handled the case in the usual manner. We came in contact with one firm, who for some reason say fit to champion the cause of this scalper, and as a radical measure seemed necessary and not being quite clear as to how the law affected us and to prevent a conflict with that law, I asked permission of the Board of Directors to obtain a written opinion upon this and other matters affecting us and which I was sure would be of interest to our members. At their meeting in October they granted me this permission and I had rendered an opinion by Jno. M. Kagan of Hastings which will hereafter be read. I would suggest that in this connection the question of what does and what does not constitute regularity as regards a grain dealer be taken up and discussed, that I may in future cases be perfectly clear in the matter. Among the members and some of the bidders there seems to be a diversity of opinion on this point.

Work in Hand.

During the coming year, it is the intention of this office to keep an eye on the storage question although it may not be handled as so important a factor as it was last year. The written contract question will be continued before you until at least the members of this association adopt same. The local meetings will be continued as in the past. Our crop report which seems to have become a fixture will be improved upon as fast as possible. If the opinion prevails that the dockage of wheat for dirt, has been a success and is an improvement over the old manner of handling it, this will be one of the objects for meetings in those divisions where it is not now generally practiced. In so large a gathering of men, interested in the same line of business as this, there cannot but be ideas and improvements that have been overlooked by your Board of Officers, and I would earnestly urge any having such ideas, to bring them out and give the others the benefit of them. At any time during the year that there is a member who believes that he can suggest a valuable improvement, I would appreciate it if he would write me, setting forth those ideas.

In addition to the work outlined above there will be taken up and prosecuted, any that may be mapped out at today's meeting.

Railroad Assistance.

Before concluding, I would call your attention to the very valuable assistance rendered us by practically all of the railroads in the state. There has been instances during the past year where it would have been utterly impossible for this association, its officers or any one connected with it to have accomplished anything without the assistance of the railroads. In an occasional instance, they have even used extreme measures against some one dealer who has seen fit to menace the business of dozens around him. There is not a railroad official in the state today that is not interested in the efforts being put forth by this association and there is not one of them that is not willing to give us his hearty co-operation and assistance as far as consistent. The co-operative spirit shown us in this work by the railroad companies has never been equaled by that shown in any other state and I think them justly entitled to our hearty thanks.

Assistance by Members.

In conclusion, allow me to thank the members for the able assistance rendered me during the past year. While there has been a few stubborn and arbitrary in their actions, though as a whole I believe I have enjoyed unlimited co-operation wherever possible. To the members behind the credit for what this association has thus far accomplished. Without a liberal disposition on their part, it would have been impossible for anyone to have done anything. Their responses to due notices when sent, have been as a rule prompt. An organization like this requires the individual assistance of each and every member. With this, success will crown your efforts; without it, very little will be accomplished. I thank you once more for your assistance, officers and members alike.

Treasurer's Report April 1, 1900.

A. H. Bewsher, Secy.-Treas.

Receipts.—Balance on hand April 1st, 1899, \$982.06; dues received, \$3,756.95; fees, 77 members (40 to \$3.00, 37 to \$1.00), \$157.10.

Disbursements.—Office supplies, printing and

stationery, \$163.25; office furniture, \$117.13; telegraphing and telephone, \$11.70; traveling expenses, \$266.45, less donation, \$108.00, \$158.45; collection charges, \$18.05; L. E. Wirt, account., \$19.80; postage, \$279.85; rent, \$61.50; stenographer's salary, \$450.00; secretary's salary, \$1,800.00; legal advice, \$50.00; West. Pass. Assn. Joint Agt., \$11.00.

Balance on hand, April 1st, 1900, \$1,755.38.

Uncollected dues, \$47.90.

C. F. Iddings: I would like to know the names of the line houses which refuse to put all their houses in the association.

Secretary Bewsher: If you will wait until the afternoon session I may have none to report.

Mr. Smith moved that the meeting adjourn to 1:30 and it was carried.

AFTERNOON SESSION.

President Hayes called the meeting to order and read the following report of the Committee on Nominations, which was adopted:

President, Geo. S. Hayes, Hastings; vice-president, F. M. Rublee, Broken Bow; A. H. Bewsher, secretary-treasurer; N. B. Updike, Omaha; Walt Holmquist, Oakland, and T. W. Smith, Fairfield.

President Hayes explained that Secretary Bewsher had been offered \$2,400 by a corporation in September, 1899. He said he did not care to leave if he could get as good a salary from the association. The Governing Committee promised to recommend an increase and we do so. I feel he is entitled to it.

F. P. Lint moved the amendment of the Constitution and By-Laws to permit the Governing Board to pay the secretary-treasurer \$2,500, and the motion was carried.

Upon motion the question of dating increase in salary for the secretary-treasurer from October, 1899, was left to the Governing Board.

Secretary Bewsher read the opinion of a prominent lawyer upon the legal standing of the association and its work.

After the reading of the opinion President Hayes raised the question what constitutes a regular grain dealer?

C. F. Iddings: I think those eligible to membership in the association should be considered regular.

Mr. Kinsley, Minden: I think the member who ships grain to a receiver who encourages scalpers is not in good standing.

F. P. Lint, Atchison: Who is a scalper? I think regular dealers can scalp business and make as much, if not more trouble, than others.

G. L. Graham, St. Louis: The Illinois association provides a list of the regular dealers of the state to receivers and track buyers and revises it monthly, and many have agreed to confine their business to the regular dealers listed.

W. H. Ferguson, Hastings: I move that each and every member of this association pledge himself to refuse to do business with track buyers or receivers who accept business from scalpers and irregular dealers after they have been notified.

Tom Worrell: What is the farmer who ships his own grain? A scalper?

All but one arose in support of Mr. Ferguson's motion.

H. H. Bartling, Nebraska City, did not favor the resolution because there is more profit in the business when the shipper has a chance at the opening market. If business is confined to any buyers or receivers the shippers market is limited. We can not afford to narrow our market.

Tom Worrell: Too many irregular

dealers are receiving bids by mistake. I think that Mr. Bewsher's suggestion, that we publish a list, issue corrections and request track buyers and receivers to confine their business to the list, is a good one.

A. L. Johnson, Crete: I move that if it is found that W. L. Green did make this error of bidding a farmer they be requested to send Mr. Worrell a check for \$87.50, the amount of the profit he would have had on the corn they bot. Carried.

C. F. Iddings: Moved that after May 15 only members of the Nebraska Grain Dealers Association be considered regular dealers.

T. W. Smith: I am opposed to the motion because I think it goes too far. We should not say what the elevator men who are not members shall or shall not do.

Secretary Bewsher: I had intended issuing a list of the regular dealers of the state without regard to whether he was a member or not, and scratch off those who are afterwards declared scalpers.

G. W. Wirt, York: I like to see a dealer or individual who has a lot of conceit for generally he is a winner, but the Nebraska Association will never be strong enuf to run Chicago, St. Louis and Kansas City. It is folly to attempt it. I am opposed to the amendment.

Mr. Iddings' amendment was lost.

The motion to suspend the member who does not, after due notice, cease shipping the receiver, who does business with a scalper, was carried.

President Hayes: We would like to know who are in favor of taking written contracts and will try to induce their neighbors to take written contracts from farmers. Will they please arise?

Many stood up, but none arose as being against taking written contracts.

Mr. Westbrook, South Omaha: We have been sieving wheat for about six months and would not go back to the old way of buying. As the farmers get a better idea of the practice they oppose it less.

N. B. Updike: We are sieving wheat and like the method.

The meeting then adjourned and the dealers took early trains home.

CONVENTION NOTES.

The meeting was well attended.

The Grain Dealers Journal was represented by Charles S. Clark.

Secretary Bewsher's report, tho long, was received with applause.

The only Kansas City firm represented was Vanderslice-Lynds Co., by J. W. Hiler.

The only Iowa dealers present were D. Hunter, of Hamburg, and M. E. DeWolf, of Laurens.

The names of receivers and track buyers who handle the business of scalpers were read in the meeting.

Five new members were admitted and 15 additional elevators listed, and the association is still growing.

Kansas was represented by F. P. Lint, of the Greenleaf Baker Co., and W. S. Washer and S. R. Washer, all of Atchison.

The irrepressible Pratt—W. O. Pratt, who sells Lewis Gasoline Engines to grain elevator men, was there in full force.

The daily newspaper reporters were barred from the afternoon session. By their sensational reports of grain dealers' meetings heretofore they long since forfeited all claim to admission to any meeting.

The association is fortunate in retaining the services of its secretary-treasurer. The remarkable success of the organization is due to his efforts.

A number of the dealers attended Creighton theatre at night and were amused by Digby Bell's special speech for the grain elevator man.

Two Illinois men were present, W. H. Chambers, of the Peavey Grain Co., Chicago, and Carl Morton, manager of the United States Sugar Refinery, Waukegan.

All the Omaha dealers attended at least one session, including S. K. Brown, F. J. Campbell, L. R. Cottrell, F. S. Cowgill, Geo. H. Lyons, M. B. Pratt, J. E. Thatcher and G. A. Wells.

St. Louis was represented by G. L. Graham, of G. L. Graham & Co.; W. W. Powell, of Connor Bros. Co.; Sol Jameson, the Nebraska representative of Daniel P. Byrne & Co.; J. L. Wright, of Brinson-Judd Grain Co., and A. H. Buschman, of the Buschman-Cave Com. Co.

Among the Nebraska dealers present were J. W. Bailey, Brock; W. B. Banning, Union; W. T. Barstow, Ord; H. H. Bartling, Nebraska City; C. Bengen, Mynard; H. J. Callen, South Auburn; J. M. Cox, Hampton; C. C. Crowell, Blair; M. E. Duff, Nebraska City; L. F. Ellermeier, Swanton; F. Fowler, Fremont; C. C. Gardner, Sargent; Wm. Gherke, Shickley; G. S. Hayes, Hastings; P. S. Heacock, Falls City; W. F. Heyl, Platte Center; C. F. Iddings, North Platte; A. L. Johnson, Crete; I. C. Maust, Falls City; O. Ostenberg, Waukegan; E. C. Purdy, Phillips; H. J. Roberts, Dewese; J. H. Rogge, Elmwood; F. M. Rublee, Broken Bow; Adam Schaupp, Loup; H. R. Sheldon, Gibbon; T. W. Smith, Fairfield; E. R. Spencer, Lincoln City; A. P. Stafford, Nebraska City; P. E. Surface, Union; E. G. Taylor, Ashton; C. H. Torpin, Oakdale; E. J. Tucker, Howe; W. G. Van Buren, Shickley; J. W. Windle, Salem; G. W. Wirt, York; H. H. Wirt, Broken Bow; T. Worrell, Lincoln.

BOGUS INSURANCE COMPANIES. LOOK OUT!

There has been no time for at least five years, so promising as the present for exploiting bogus companies and humbugging customers. By reason of the disastrous experiences of the past year, the regular companies are reducing lines in every direction, with the result of throwing on the market a much larger amount of surplus insurance. Besides, the increase of rates is certain to encounter the opposition of a large class of insurers, who are constantly trying to beat "the combination," and, for a time, are willing to accept policies in doubtful companies at less rates, rather than to pay the increase. Of course, these persons are not aware that the cheap companies are worthless, as a rule, and they are so anxious to beat the rate that they are easily deluded. There always has been a market for worthless policies in this country, and probably always will be, in spite of frequent exposures, arrests and convictions. It is a period when the authorities can serve the public well by further exposures of wild-cat operators and their companies.—Insurance Monitor.

The brewers of Germany have petitioned Prince von Hohenlohe-Schillingsfuerst, chancellor of the empire, against raising the duty on barley from 3.50 marks (82 cents) to 5 marks (\$1.19).

AN UP-TO-DATE 30,000-BUSHEL ELEVATOR.

By B. S. Constant.

Herewith is shown plans for a 30,000-bushel elevator for handling all kinds of grain, including ear corn. The elevator proper is 24 x 50 ft. and 40 ft. to the square with a 12-ft. drive-way on one side. The cupola is 16 x 36 ft., 22 ft. high, therefore giving sufficient fall to all the bins without the use of drags.

The engine-room is 24 x 26 ft. and a 6 ft. projection extends up from the engine-

veys past the elevator stand direct to a No. 2 Victor Sheller, as shown in Fig. 1.

Between the bins is a passage way of triangular shape 4 ft. wide and 10 ft. high. In this passage way is another of the patented feeders conveying the grain from the bins to the sheller or elevator, the shelled grain dropping thru an iron grate and into the hopper under the sheller to the boot. Ear corn will pass over this grate, thru the sheller to the boot and is elevated to the cupola, where it is discharged into Constant's Little Giant Corn and Oats Cleaner, and from cleaner to

working floor below by means of a hoop indicator. In the cupola is located a Constant Dust Collector, which collects all the fine dust, chaff and other foreign substances that otherwise would fly all over the cupola.

This elevator is so constructed as to be very strong and durable and can be made any size desired from 1,000 to 150,000 bushels capacity. It has a low driveway, and is a convenient and attractive elevator.

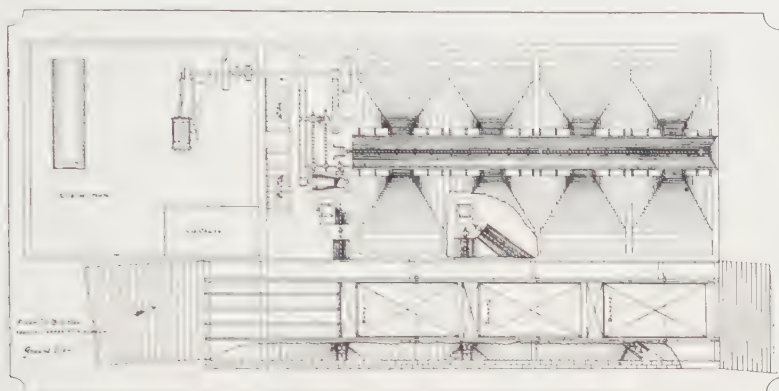


Fig. 1. Up-to-Date 30,000-Bushel Elevator.

room roof onto the main building and cupola, which is used for the stair-way and drive to the cupola, as shown in Fig. 2.

The elevator has eight deep storage bins, one over-hanging bin and one ship-

either shipping bin or storage bin, as desired.

Under the shipping bin is located a 1,000-bushel hopper scale and under the scale is a Constant Car Loader.

The power for this elevator is a 30-h.

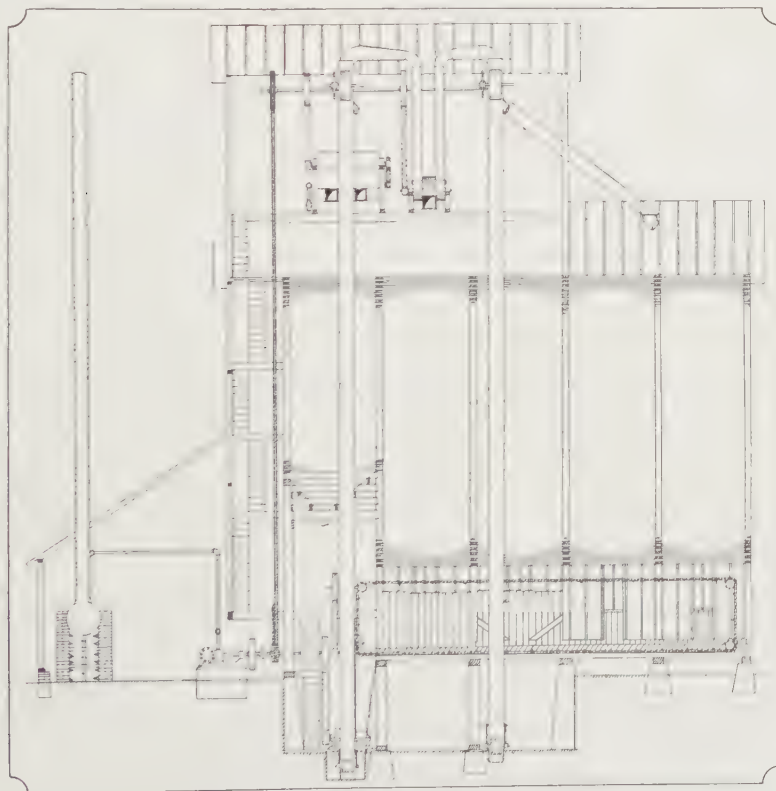


Fig. 2. Up-to-Date 30,000-Bushel Elevator.

ping bin. It is equipped with three of the Constant Safety Platform Dumps. Under each dump is a Constant Patented Grain Feeder. Two of these feeders (under dumps 2 and 3) convey to one stand of elevators. The feeder in dump 1 con-

p. Chandler & Taylor Steam Engine and 35-h. p. boiler. The power is transmitted from the lower line shaft to the cupola by a $\frac{7}{8}$ inch manila rope.

Each stand of elevators is supplied with a turn-head which is operated from the

Broom corn is being imported from Hungary.

The portion of the corn crop consumed in distilling is estimated at one-quarter of one per cent.

White and yellow cornmeal has the same food value, reports the Department of Agriculture.

Albert Harrington of Minneapolis is agitating the removal of the duty on Canadian wheat on the ground that this would

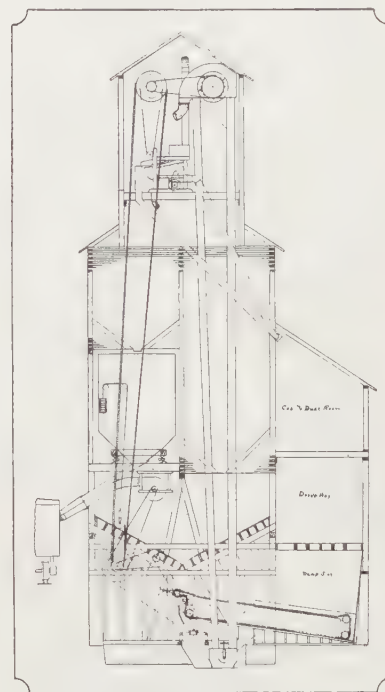


Fig. 3. Up-to-Date Elevator.

benefit Duluth and Buffalo. The tariff does not protect the farmer of the United States, as this country exports wheat.

The April report of John Hyde, Statistician of the Department of Agriculture, shows the average condition of winter wheat on April 1 to have been 82.1, against 77.9 on April 1, 1899, 86.7 on April 1, 1898, and a ten-year average of 82.8. While the ravages of the Hessian fly in Ohio, Michigan and Indiana will probably result in not one of these three states producing more than half a crop, an exceptionally high condition is reported from the winter wheat states west of the Mississippi River and from the Pacific coast. The principal averages are as follows: Pennsylvania 72, Ohio 47, Michigan 57, Indiana 51, Illinois 88, Missouri 91, Kansas 99, Texas 101, Oklahoma 99, Washington 106, Oregon 100, and California 90. The average condition of winter rye is 84.8, against 84.9 on April 1, 1899, 92.1 on April 1, 1898, and a ten-year average of 89.1.

PATENTS GRANTED

Anton I. Sandbo of Waukon, Ia., has been granted letters patent, No. 647,615, on a bag tie.

Mark A. Heath of Providence, R. I., has been granted letters patent, No. 647,490, on a baling press.

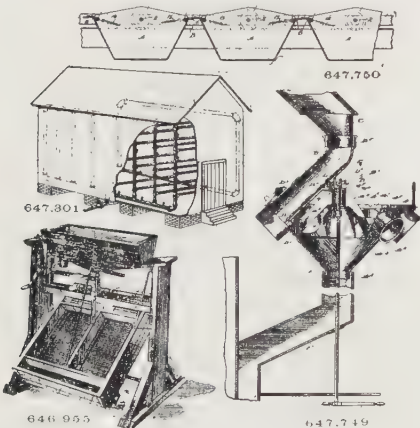
Charles A. Scott of Cedar Rapids, Ia., has been granted letters patent, No. 647,583, on an explosive engine.

E. de Moerloose of Brussels, Belgium, has been granted letters patent, No. 647,314, on a process for decorticating grain with hydrochloric acid.

William L. Callison of Heron Lake, Minn., has been granted letters patent, No. 647,440, on a grain car door arranged to slide up and down on upright posts.

William R. Dow of Boulder Creek, Cal., has been granted letters patent, No. 647,651, on a gas engine using the heat of the exhaust to generate steam for an auxiliary cylinder.

Conrad Schwager of Charlottenburg, Germany, has been granted letters patent on a drum for washing, soaking and aerating grain. The drum resembles those used in the pneumatic malting system, but has a concentric cylinder containing brushes.



William F. Hunt of New York, N. Y., has been granted letters patent, No. 647,750, on a conveyor as shown in the engraving. The patent covers the arrangement of lips at the edges of the buckets to prevent the material being wasted.

Franklin W. Craig of Marion, Va., has been granted letters patent, No. 646,955 (see cut), on a grain separator. The shoe is shaken laterally by means of the hand crank at the left. The inclination of the shoe is adjusted by hooking up the front hanger into any of the three staples shown on the side of the hopper. The grain is discharged at the lower right hand corner of the shoe.

James L. Hollingsworth of Newbern, Tenn., has been granted letters patent, No. 647,301, on apparatus for treating grain. As shown in cut, the bin is provided with a system of perforated pipes thru which hot air is distributed and forced thru the mass of grain. Is this device designed to dry or bleach grain?

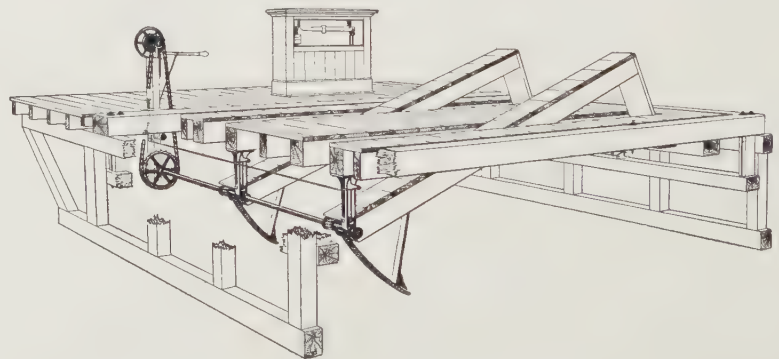
Thomas F. Hall of Omaha, Neb., has been granted letters patent, No. 647,749, on a grain distributor, and has assigned his rights to Amelia J. Hall, of the same place. Readers of the Journal will recognize in the cut the outlines of the machine which is being placed on the market by the Hall Distributor Co. The machine

has been placed in many new elevators in Iowa and Nebraska, and its fame is fast spreading to other states. The patent granted to Mr. Hall consists of 33 claims which completely cover the valuable features of the invention, including the automatic overflow alarm. A good description of the invention may be found in the Journal of April 10, page 216.

THE EVANS WAGON DUMP.

The habit some farmers have, especially in the Northwest, of greatly overloading their wagons to reduce the number of trips to town, oftentimes brings grief to the elevator man who is provided with one of the old style clumsy dumps, the heavy load causing a breakdown and damage to wagon and team. To handle these heavy loads with perfect safety, Moulton & Evans of Minneapolis, Minn., have designed the Evans Wagon Dump, which is shown in the engraving herewith. The clumsy woodwork of the old style, which is expensive in first cost and renewal, as well as heavy to handle, is replaced in the Evans Dump with a light steel construction, giving strength where strength is needed.

The self-locking device is an important improvement. This consists of two vertical levers which have their lower ends pivoted in the hangers depending from the side beams. When the dump rails have been raised they are locked automatically in that position by the upper ends of the vertical levers. A horizontal bar connects both the levers with the treadle at the right. When the dump rails are to be lowered the operator presses his foot on the treadle, moving the supporting levers aside. When locked the short, weighted lever under the treadle maintains the levers in that position. When it is desired to lock the dump rails in any intermediate position recourse is had to the band brake operated by the horizontal hand lever. This enables the operator to lower a heavy load part way and hold it there while a portion is dumped, reducing the danger of wasting grain. If any grain leaks thru it can be recovered easily, as the space under the dump and scale is open and accessible.



The Evans Wagon Dump.

Each of the dump rails is provided with a rack meshing into a pinion on the shaft, which is turned by means of the link belt and two sprockets, the upper sprocket being operated by the hand wheel. The front ends of the dump rails are provided with guards to prevent horses stepping back into the opening to be caught by the descending ends when the wagon is raised to position.

The Evans Dump has been severely tested by practical elevator builders and operators during the past three years with very satisfactory results. The makers

furnish, in addition to the dump irons, all the odds and ends of hardware, saving the builder much time in erecting, as well as the expense of buying hardware at the country store.

The principal advantages claimed by the manufacturers of the Evans Dump are economy in first cost because little labor and material are needed, economy in maintenance because of strong construction, perfect control and saving of time, perfect safety on account of self-locking device and guards; and accessibility of space under dump and scales.

SUITS AND DECISIONS

Rapp & Son and Lineweber Bros., of Mason City, Ill., are litigating a grain deal. The case will come up again in August at the county court, Havana.

J. B. Fleshman, broker, Philadelphia, has brought suit against the United States Internal Revenue Collector at that place to recover \$4,544 of war taxes on marginal grain deals.

A warehouse receipt can not be varied in its terms by oral evidence of prior agreement as to the conditions of storage, no fraud or mistake in the issuance of same being shown. Union Storage Co. vs. Economy Distilling Co., Supreme Court of Pennsylvania.

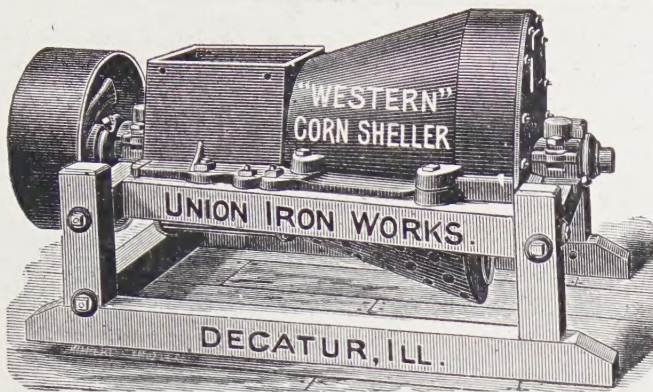
The D. H. Stuhr Grain Co., of Davenport, Ia., has brought suit against Hubbard & Palmer, of Mankato, Minn., to recover \$19,524 damages for alleged loss caused by false statements concerning grain bot for the Stuhr Co.

A claim has been made on McArthur Bros., owners of the steamer Tecumseh, for damage to a cargo of grain delivered to the elevator of the Montreal Transportation Co., at Kingston, Ont., last fall. The owners of the grain claim \$2,000 loss was caused by a leak.

The Capital Elevator Co., of Topeka, Kan., brought suit April 8 against the Rock Island Railroad for \$322 as rebates on switching charges under a secret agreement. If proved it will show bad

faith on the part of the road in violating the agreement of all lines not to give these rebates.

The Michigan commission merchants' law received a hard knock April 17 when Judge Coolidge, in the circuit court at St. Joseph, quashed the indictment against William B. Thompson on the ground that the new law is indefinite class legislation, inconsistent and unconstitutional. The case will go to the supreme court of Michigan on an application for a writ of mandamus to compel Judge Coolidge to vacate his order.



"WESTERN" WAREHOUSE SHELLER.

UNION IRON WORKS

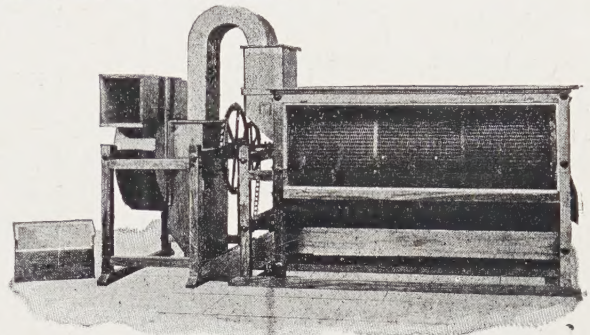
DECATUR, ILL.

Sole Manufacturers

**"WESTERN" SHELLERS AND CLEANERS
...BEST ON EARTH...**

**Grain Elevators
...and Elevator
Machinery
...A Specialty...**

PLANS MADE ON APPLICATION
BY LICENSED ARCHITECT.



"WESTERN" WAREHOUSE CLEANER.

Write For Catalog.

Reliable Insurance...

on Modern elevators and Contents can be
secured at about one-half the rates charged
by stock companies by addressing

MILLER'S NATIONAL INS. CO.

205 La Salle St., CHICAGO, ILL

CHARTERED, 1865 ASSETS, \$2,338,841.99

NET CASH SURPLUS, \$455,682.72

W. L. Barnum, Secy

**The GRAIN SHIPPERS'
Mutual Fire Insurance Association**

Insures only desirable risks in Iowa, and has saved its
policy holders in the past exactly 50 per cent of
Board rates. For particulars, address

F. D. BABCOCK, SECRETARY,
IDA GROVE, IOWA.

Attention! Elevator Men

If you need any kind of Machinery
in the Elevator Line—We have it.

DALLAS MILL & GIN SUPPLY CO.
169 ELM ST., DALLAS, TEX.

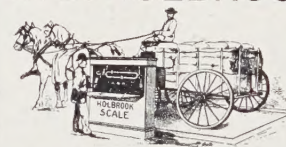
Seamless Baskets.

Catalogue and Linenoid Pin Tray Free.

CRANE BROS. Linenoid Mfrs. Westfield, Mass.



C. D. HOLBROOK & CO.



Mill and
Elevator
Machinery
& Supplies,
SCALES AND
GASOLINE
ENGINES.
305 Third St. S.
Minneapolis.



YOUR OLD ROOFS

CAN BE PRESERVED FOR YEARS WITH IT.

**WILL NOT CRACK, PEEL NOR BLISTER.
IS ABSOLUTELY WATERPROOF.
IT STOPS LEAKS.**

ASK FOR CATALOGUE "D"

MAIRE PAINT CO., Minneapolis, Minn.



We are Large Manufacturers of

STEEL ROOFING, CORRUGATED IRON, Etc.

We furnish this material in large quantities for grain elevators
all over the country. We also take contracts for doing this work
complete.

SYKES STEEL ROOFING CO., CHICAGO, ILL.

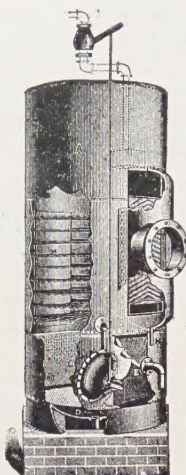
**SEAMLESS COTTON GRAIN BAGS.
MILWAUKEE BAG CO. MILWAUKEE, WIS.**

THE STILWELL "IMPROVED" COMBINED HEATER AND PURIFIER

FOR EXHAUST
STEAM

Save Fuel and Boilers

by supplying them with Hot, Pure Water, thus preventing the formation of scale. This can be cheaply and certainly accomplished by using

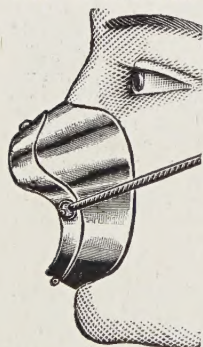


STILWELL'S PATENT IMPROVED LIME EXTRACTING HEATER AND FILTER

THE STILWELL-BIERCE & SMITH-VAILE CO.
311 Dearborn Street,
CHICAGO, ILL.

Reduced to 80 cents
for 30 days

THE SPENCERIAN DUST SHIELD.



Absolutely prevents all dust and obnoxious matter from being inhaled. It is small, but effective, and will never wear out, being made of brass, beautifully nickel plated. The filters are easily changed.

Special Price, Prepaid.

SPENCERIAN
SPECIALTY CO.

Write for circular.

Send 80 cents in stamps before June 1, 1900, to Spencerian Specialty Co., Room 94 Traders Building, Chicago, Ill

Robinson's Telegraphic Cipher Code (Revised)

is more extensively used by
GRAIN and PROVISION DEALERS
and MILLERS

than all other codes combined. It is compact, small and can be easily carried in the pocket. It has been revised recently and fifteen pages added. Every cipher word, quotation and phrase in former editions has been retained, including Quotations, Railroads, Grades of Grain, Mill Feed, Hay, phrases to meet the present demands of the trade; Bids, Acceptances, Billing, Shipping Instructions, etc. Get the latest edition; by using it your messages will be understood, you will save time and expense. Price unchanged. Bound in leather, gilt edges, \$2.00; cloth binding, \$1.50. Address

GRAIN DEALERS COMPANY,
10 Pacific Ave. CHICAGO, ILL.

Speak Out...

Every live business man advertising in, or taking the Grain Dealers' Journal wants to sell more goods this year than he did last. That's what he's in business for—try to get ahead.

We have a record for selling goods that's remarkable—do it by advertising.

We take up a territory and work it thoroughly with a series of little plain talks that tell about your goods and tell it in a way that counts.

We work right along with a salesman—cover the field so thoroughly that it makes it easy picking for him, or we work independent of a salesman—just as a man wishes.

We get to lots of places salesman don't reach and our services don't cost very much either.

There's no question about our work bringing good results, we have a whole lot of customers that will vouch for that—been doing it for them a good many years.

We want to get a few more and if any of the advertisers in or subscribers to this paper would like to ask us about a plan to push their business, we'll be glad to hear from them—No one should be afraid to speak out in meetin.'

We write advertising for all sorts of businesses, in booklets, circulars, catalogues or periodicals.

Charles H. Marsh & Company,

1319 Chamber of Commerce,
Chicago.

Table of Legal Weights.

THIS TABLE shows the legal weights in pounds per bushel of grain and grain products, etc., as provided for by law. This book is well bound in a strong cloth cover. Price 50 cts.

For sale by
GRAIN DEALERS COMPANY,
10 Pacific Ave. CHICAGO, ILL.

Clark's Record OF CARS SHIPPED.

Is adapted for the use of country grain shippers, to keep a record of all cars of grain shipped. This book is 9½ x 12 inches and has space for 2500 cars. The leaves are made of ledger paper, ruled for date sold, date shipped, car number, initials, to whom sold, destination, grain, grade sold, their inspection, discount, amount freight, our weight, bushels, destination bushels, over, short, price, amount freight, other charges and remarks. It is well bound in strong board covers, with leather back and corners. Price \$1.50.

GRAIN DEALERS COMPANY
10 Pacific Ave., Chicago, Ill.

CLARKS Freight Agents' Official GRAIN DEALERS' AND SHIPPERS' FOR 1899-1900 GAZETTEER

Containing Complete Grain Inspection Rules and

Official Lists of
Grain Dealers and Millers

on over 100 lines of Railroad.

Names arranged by Railroads. Over 200 pages. Well bound in cloth. Stiff or flexible cover.

JUST OUT. PRICE \$1.00.

Address....

Grain Dealers Company,
10 Pacific Ave., CHICAGO, ILL.

JEFFREY



Roller, Steel and Special Chains.

ELEVATORS



CONVEYORS



THE JEFFREY MFG. CO.
Columbus, Ohio.

41 DEY STREET,
NEW YORK.
Send for Catalogue.

LOCATIONS FOR INDUSTRIES.

The name of the Chicago, Milwaukee & St. Paul Railway has long been identified with practical measures for the general upbuilding of its territory and the promotion of its commerce, hence manufacturers have an assurance that they will find themselves at home on the company's lines.

The Chicago, Milwaukee & St. Paul Railway Company's 6,300 miles of railway, exclusive of second track, connecting track or sidings, traverses eight States, namely:

NORTH DAKOTA.	MINNESOTA.	NORTHERN MICHIGAN.
SOUTH DAKOTA.	IOWA.	WISCONSIN.
Express Passenger Trains F. st Freight Trains Throughout	MISSOURI.	ILLINOIS.

which comprise a great Agricultural, Manufacturing and Mining territory.

The Chicago, Milwaukee & St. Paul Railway Company gives unremitting attention to the development of local traffic on its lines and, with this in view, seeks to increase the number of manufacturing plants on its system either through their creation by local enterprise or the influx of manufacturers from the East. It has all its territory districted in relation to resources, adaptability and advantages for manufacturing. Specific information furnished manufacturers in regard to suitable locations. Address,

LUIS JACKSON,
Industrial Commissioner C., M. & St. P. R'y,
660 Old Colony Bldg., Chicago, Ill.

NORMAN H. CAMP,

'Phone
Central 1055.

**ATTORNEY
AT LAW,**

Suite 633-634 Marquette Bldg.,

204 Dearborn Street.

CHICAGO.

Wheeling Corrugating Company,

185-187 LAKE STREET, CHICAGO.

When you want Corrugated Sheets or Steel Roofing, write us for prices. Can furnish any quantity, large or small.

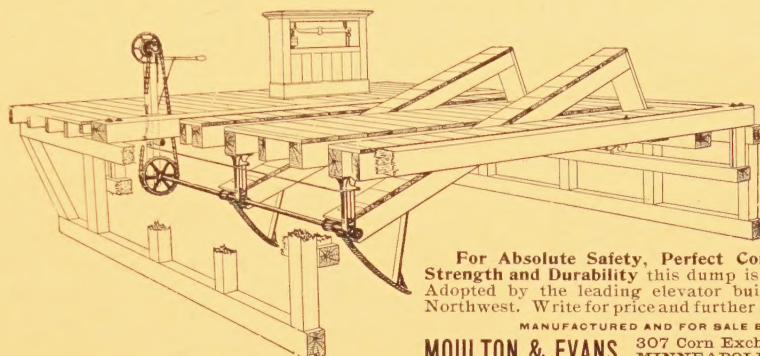
CONTRACTS TAKEN FOR APPLYING ROOFING AND SIDING.

LOADING SPOUTS

That load grain right. They give a spiral motion to the grain so that it leaves the spout with enough force to take it to the end of the car. Grain passing through a spout with a spiral motion is delivered in better condition, not being scoured or worn as much as when loaded from ordinary spouts. Write for Catalog.



Abendroth & Root Mfg. Co.
Monadnock Block, CHICAGO.
99 John Street, NEW YORK.



**THE
EVANS
WAGON
DUMP**

Patented
April 12,
1898.

For Absolute Safety, Perfect Control, Great Strength and Durability this dump is unequalled. Adopted by the leading elevator builders of the Northwest. Write for price and further information.

MANUFACTURED AND FOR SALE BY

MOULTON & EVANS, 307 Corn Exchange,
MINNEAPOLIS, MINN.

LINK-BELT MACHINERY CO., CHICAGO, ILL.

THE VILTER MFG. CO. 836 Clinton Street,
MILWAUKEE, WIS.

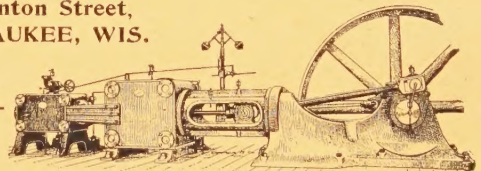
IMPROVED

Corliss Engines

BOILERS, HEATERS and PUMPS.

"EASY" CAR PUSHER, \$5.00

Perfect device. Order one on trial.



THE IDEAL Automatic Car Loader

Will load your cars
with any kind of grain.

Without aid of hand labor.

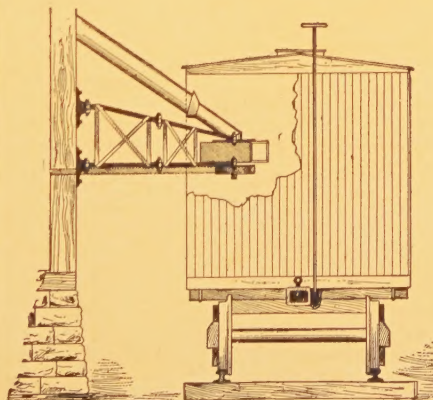
Saves its cost in thirty days.

Automatic in action, does not require lifting in and out of cars.

Improves condition and appearance of grain.

Requires no attention after starting until car is loaded.

Easy to operate, durable in construction.

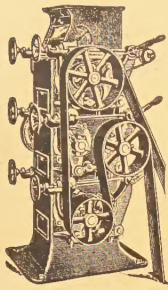


For full information, address....

IDEAL CAR LOADER CO.,

SULLIVAN, ILL.

CORN and FEED MILLS



4 Roll and 6 Roll
Gear or Belt Drive
for Slow Roll.

IT PAYS

To have one
in connection with
an elevator,
and to have the
BEST one.

Ours has no equal in Strength, Durability, Efficiency, Convenience, Capacity, and Quality of Work.

Several sizes. Prices very reasonable.

The Edward P. Allis Co.
MILWAUKEE, WIS.

The First Duty of this Country

to Porto Rico is 15%, so says Congress!

The first duty of an elevator man is to keep down Expenses and seek after Expansion in receipts.

DAY'S DUST COLLECTOR

reduces expenses, swells profits and enables you to keep a clean elevator at all times. There's money in it.

If you are not now using it in your business, write TO DAY for plan and estimate—FREE.

Day's Dust Collector and Furnace Feeder lighten life's burdens for the elevator man.

H. L. DAY,

1122-26 Yale Place,
MINNEAPOLIS, MINN.



WELLER MFG. CO.

Grain Elevator
Machinery

...AND...

SUPPLIES OF EVERY DESCRIPTION



INCLUDING

Power Grain Shovels,

Belt Conveyor Trippers,

Elevator Buckets and Boots, Car and Marine Loading
Spouts, Bin Bottoms, Turn Heads,
Indicator Stands,

Shafting, Pulleys, Sheaves, Friction Clutches, Etc.



Send for General Catalog No. 14.

**118-126 North Avenue,
CHICAGO.**



CROFUT, McAYEAL & CO., Portland, Ore., Northwestern Agts.

WE CAN FURNISH OUR
AJAX TRANSMISSION ROPE
IN ALL LENGTHS and SIZES DESIRED.



**H CHANNON
= COMPANY**

24-26 MARKET ST.
CHICAGO.

TRANS-
MISSION
PROBLEMS
SOLVED

STATE
YOUR
CASE.

THE
TRAN-
MISSION
NUT

THE
DODGE
MFG. CO.

KNOW HOW TO
CRACK TRANSMISSION
NUTS. HAVE YOU ANY
TO CRACK?

NEW YORK,
BOSTON,
CHICAGO,
LONDON

DODGE
MANUFACTURING
CO. MISHAWAKA, IND.

MOST TALKED OF GOODS IN THE
MARKET—YOU CAN'T MAKE A MISTAKE.